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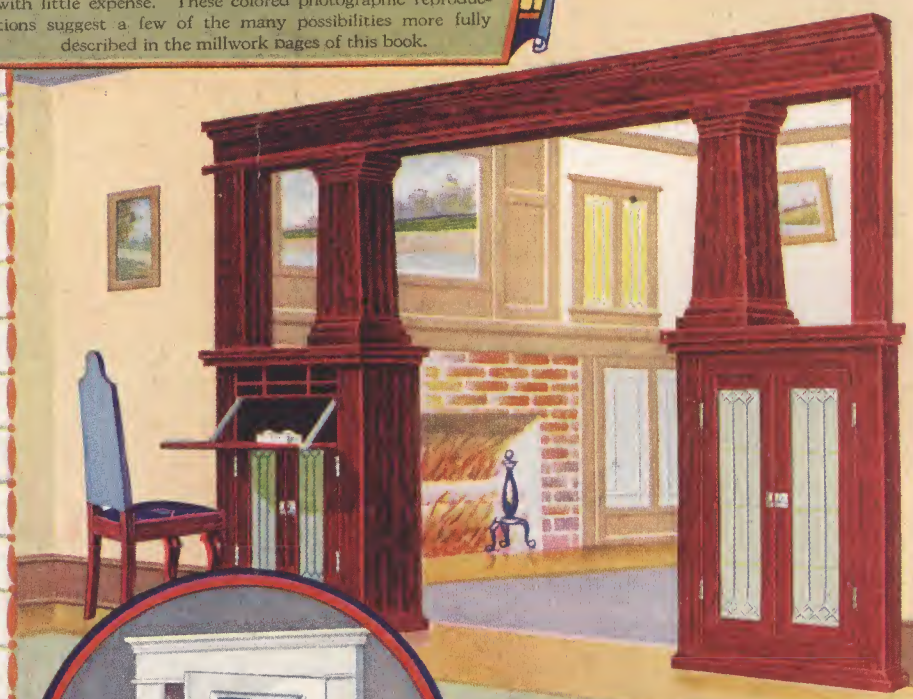
Millwork Suggestions for the Home!

There are innumerable ways that you can add beauty and comfort to your home, increasing the value of your property with little expense. These colored photographic reproductions suggest a few of the many possibilities more fully described in the millwork pages of this book.

Shakespeare Front Door

First impressions are many times best. If there is any single thing about a house that makes a good first impression, that one thing is the front door. Our "Shakespeare" door in red oak, Northern birch or White Pine, showing the natural grain of the wood, with its artistic glazing is an embodiment of good taste.

There are many other handsome designs in the door pages of this book.



Writing Desk and Bookcase Colonnade

Here is a built-in convenience that will not only beautify the interior of your home with its impressive appearance, but add ever-convenient cases for your books, china or antiques and serve you with a spacious writing desk as well.

But one of the many splendid designs presented in the colonnade pages which follow.

Medicine Cabinet

No bathroom is complete without a built-in medicine cabinet. But you should be careful in your choice to select a cabinet of trim, neat appearance properly arranged for storage and sanitation. See the splendid designs in the cabinet pages of this book.

Astoria Buffet

The addition of a modern attractive built-in buffet is nearly as simple as setting any piece of furniture in place. The design and construction of this artistic buffet with its spacious cupboards, convenient drawers, mirrored top and leaded crystal glazed doors will delight you with the finished appearance it will give your dining room. Other designs will be found in the buffet pages of this book.

An Inviting Breakfast Alcove

Like all other articles of built-in furniture, the breakfast alcove combines usefulness, beauty, and convenience. It is attractive and inviting—a time and step saver for the housewife. Even the smallest home can be greatly improved by allowing sufficient space for this little nook. Full details of this outfit in many sizes will be found in the cabinet pages of this book.

A Complete Expert Service —

for those who intend to build or improve..

AN INVITATION

from the President of

HARRIS BROTHERS CO.

¶ Thirty-four years ago we started this business with the full realization that our success or failure depended solely upon our ability to serve. The result is our $10,000,000 institution and satisfied customers in every section of the country.

¶ Through all these years our expert engineers and estimators have collected a priceless store of information which could only come to us by direct dealing with countless thousands like you. With this valuable and varied knowledge, we solicit your patronage, prepared to give you better qualities, lower prices and a helpful time and trouble saving service.

¶ We invite your letters of inquiry. Experts are waiting here to help you—to point out the "short cuts" to satisfaction—the direct, sure and certain route to true economy. They will show you the best way to build your home, the proper way to decorate and furnish it. They are able to tell you which will be the best heating plant for your building and the most economical way to install it—the kind of plumbing you should buy to get what is best suited to your individual requirements—the right amount of paint and the correct color combinations for your buildings—how to figure roofing, wall-board, lumber; or, better, they will figure every detail for you and inform you fully, in simple, easily-understood language. How can we help you?

A. HARRIS, *President*

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HARRIS BROTHERS COMPANY
35th and Iron Streets
CHICAGO

Established 1892

This guarantee covers every purchase from this book, large or small—written with protection to you in all your buying, as its only object. Every promise, every statement, every word, is backed by ten million dollars and our entire institution.

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Included in this book are representative pages from our Plan Book of Harris Homes and our catalogs of "Cellu-Seal" Garages, Lakeside Cottages and "Cellu-Seal" Permanent Homes. Do not hesitate to write for further information. The brief index below will serve as a quick ready reference to the various divisions of material.

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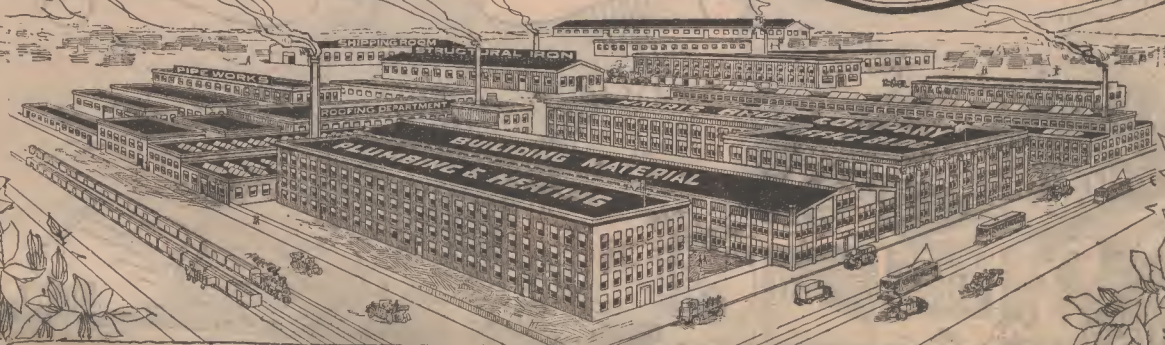


Aeroplane view of Our 40 acre Headquarters Plant at Chicago

40 Acres of Bargains —and the Reason!!

FOR more than thirty years, we have been nationally recognized as America's Building Material Headquarters. And we are justly proud of the title for we have worked hard to gain and retain our leadership. Through all these years the dependable quality of our products and honest business methods have won for us the respect, patronage and support of careful, thrifty buyers in every section of the country. But more important we point with pride to our "smashing" low prices which have been as they are today, the lowest quoted on high grade building materials and supplies.

Selections—Savings—Service—Satisfaction!

Our great factories and warehouses here at our centrally located headquarters plant at Chicago under our direct supervision gives us an overwhelming advantage in maintaining our high standard of quality, in improving our service, in introducing new ways and means to cut manufacturing expense which reduce our prices to you. With few exceptions, every article in this book is in stock at Chicago for quick shipment.

This book brings you the "cream" of America's products. Dependable materials from most reliable sources of supply. It places before you wide selections in every needed item to build and improve your property and equipment. Every page emphatically asserts our price smashing supremacy. Every article proves beyond all question of doubt our leadership in value giving.

Our Terms:

Unless otherwise stated our terms are uniformly cash with order. That means we always require cash in part or in full, depending upon price quotations in this book or our special letter quotations. Shipment will be made C. O. D., provided a deposit of 25% accompanies your order, balance to be paid C. O. D., except if you live at a point where there is no freight agent.

References:

We refer you to any commercial agency—any bank or banker—any express company—or publisher of any paper concerning our responsibility. We have established an enviable reputation and an unquestioned business standing by our fair, square deal methods which have been the corner stone to this business for thirty-two years.

It's Easy to Order from this Book

Refer to the index on the pages in the back of this book. Pick out the things you want and write on our order blank or any plain sheet of paper, the name of the article, our catalog number, giving size, finish or such description as is called for. Give your complete name, P. O. address, shipping point and state how you want shipment made—whether by parcel post, express or freight. Mail your order to us using the return envelope enclosed or any other envelope you may have including the necessary remittance to cover the amount required. If the amount is not figured exactly, we will return the balance due you or we will bill you for any small difference due us. Simple directions for figuring transportation charges will be found in the yellow pages.

About Shipment:

Unless otherwise stated, all articles in this book will be shipped to you direct from our headquarters plant here at Chicago. You will note there are many articles of heavy equipment and supplies quoted for shipment direct from warehouses at various points. This enables us to maintain our low prices by eliminating handling, transportation and warehouse expenses.

Branches and Warehouses in 14 Cities

Clear Fir Interior Doors

Seattle

These handsome clear fir doors are made with edge grain stiles and rails, which are best for strength, and with slash grain panels, best for beauty, thus forming a rare combination of durability and style.

"Water-proof Glue" Is Used On All Our Doors.

Olympia

Panels in the 1 and 2 panel doors are 3-ply laminated veneered fir panels.

Panels in the 5-cross panel doors are solid fir panels, raised as shown in illustration.

Note: Sizes not listed not carried in stock.

Portland

Sizes Width Height ft. in. ft. in	SEATTLE *10-G-326* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$2.77	28
2- 0x6- 6	2.89	30
2- 2x6- 6	3.18	30
2- 4x6- 6	3.19	30
2- 6x6- 6	3.35	34
2- 0x6- 8	2.95	32
2- 2x6- 8	3.25	33
2- 4x6- 8	3.26	34
2- 6x6- 8	3.40	36
2- 8x6- 8	3.55	38
2-10x6- 8	3.69	39
2-10x6-10	3.94	40
2- 0x7- 0	3.19	36
2- 2x7- 0	3.50	37
2- 4x7- 0	3.51	38
2- 6x7- 0	3.67	40
2- 8x7- 0	3.82	42
3- 0x7- 0	4.16	46

Sizes Width Height ft. in. ft. in.	OLYMPIA *10-G-327* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$3.54	28
2- 0x6- 6	3.71	30
2- 4x6- 6	4.09	30
2- 6x6- 6	2.29	34
2- 0x6- 8	3.77	32
2- 4x6- 8	4.18	34
2- 6x6- 8	4.35	36
2- 8x6- 8	4.55	38
2- 0x7- 0	4.09	36
2- 4x7- 0	4.50	38
2- 6x7- 0	4.70	40
2- 8x7- 0	4.90	42
3- 0x7- 0	5.34	46

Sizes Width Height ft. in. ft. in.	PORTLAND *10-G-325* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$2.75	28
2- 0x6- 6	2.88	30
2- 2x6- 6	3.16	30
2- 4x6- 6	3.17	30
2- 6x6- 6	3.33	34
2- 0x6- 8	2.93	32
2- 2x6- 8	3.23	33
2- 4x6- 8	3.24	34
2- 6x6- 8	3.38	36
2- 8x6- 8	3.53	38
2-10x6- 8	3.67	39
2-10x6-10	3.92	40
2- 0x7- 0	3.17	36
2- 2x7- 0	3.48	37
2- 4x7- 0	3.49	38
2- 6x7- 0	3.65	40
2- 8x7- 0	3.80	42
3- 0x7- 0	4.14	46

Alberta

Beautiful designs in clear Fir interior doors of superior quality. You'll be able to use these doors to advantage particularly where either Colonial or Modern style of architecture is desired.

"Water-proof Glue" Is Used On All Our Doors.

Everett

They can be finished in natural wood, stained any color, or painted in Colonial White with perfect satisfaction. They are made to match front doors of similar design in this book.

Note: Sizes not listed not carried in stock.

Rainier

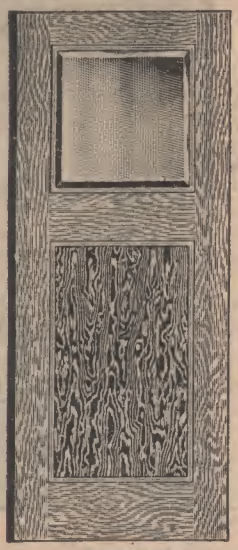
These doors are of superior manufacture, being made with the solid edge Grain Stiles and Rails and with beautifully figured Slash Grain 3-ply laminated veneered Panels, guaranteed the best doors of their kind obtainable.

Sizes Width Height ft. in. ft. in.	ALBERTA *10-G-1921* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$3.72	28
2- 0x6- 6	3.91	30
2- 4x6- 6	4.30	30
2- 6x6- 6	4.52	34
2- 0x6- 8	3.97	32
2- 4x6- 8	4.32	34
2- 6x6- 8	4.58	36
2- 8x6- 8	4.79	38
2- 0x7- 0	4.30	36
2- 4x7- 0	4.73	38
2- 6x7- 0	4.94	40
2- 8x7- 0	5.93	42

Sizes Width Height ft. in. ft. in.	EVERETT *10-G-1919* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$3.56	28
2- 0x6- 6	3.73	30
2- 4x6- 6	4.11	30
2- 6x6- 6	4.31	34
2- 0x6- 8	3.79	32
2- 4x6- 8	4.20	34
2- 6x6- 8	4.37	36
2- 8x6- 8	4.57	38
2- 0x7- 0	4.11	36
2- 4x7- 0	4.52	38
2- 6x7- 0	4.72	40
2- 8x7- 0	4.92	42
3- 0x7- 0	5.36	46

Sizes Width Height ft. in. ft. in.	RAINIER *10-G-1917* 1⅜ inch Thick	Shipping Weight
2- 0x6- 0	$3.52	28
2- 0x6- 6	3.69	30
2- 4x6- 6	4.07	30
2- 6x6- 6	4.27	34
2- 0x6- 8	3.75	32
2- 4x6- 8	4.16	34
2- 6x6- 8	4.33	36
2- 8x6- 8	4.53	38
2- 0x7- 0	4.07	36
2- 4x7- 0	4.48	38
2- 6x7- 0	4.68	40
2- 8x7- 0	4.88	42
3- 0x7- 0	5.32	46

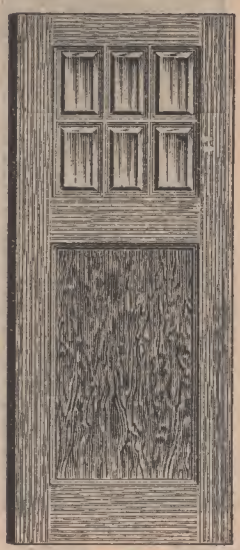
Standard Designs in Fir



Montesano

These paneled front doors are popular designs suitable for the finest residence. They will harmonize well with practically any type of architecture. Although moderately priced, they have the beautiful appearance of high priced doors.

Glass set with wood stops.



Salem

These small reproductions of the Montesano, Salem and Aberdeen front doors prevent us from presenting them to you as they will actually appear properly stained and finished in your building. The veneers are selected for beauty of grain. Furnished unfinished (in the white) in order that you may finish them to suit yourself.

Aberdeen

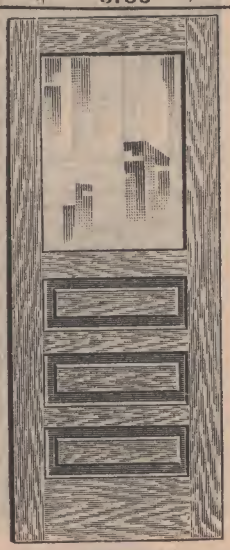
Elegant Craftsman and Mission style front doors designed for bungalows and residences of latest architecture. They are made of old growth soft yellow Fir, with solid quarter-sawed stiles and rails and have beautifully figured, 3-ply laminated slash grain panels. Will take any stain or finish. At the extremely low prices we are offering them, you get Hardwood Door values at moderate prices. Water-Proof Glue is used on all our doors.

SIZES:		MONTESANO		SALEM		ABERDEEN		Shipping Weight, Pounds
Width Ft. In.	Height Ft. In. Thickness	*10-G-640* Glazed Clear Plain Glass	*10-G-641* Glazed Beveled Plate Glass	*10-G-642* Glazed Clear Plain Glass	*10-G-643* Glazed Beveled Plate Glass	*10-G-644* Glazed Clear Plain Glass	*10-G-645* Glazed Beveled Plate Glass	
2- 8	x6- 8 1⅜ inches	$4.16	$ 7.73	$6.55	$ 9.79	$5.86	$ 8.71	75
2- 8	x7- 0 1⅜ inches	4.43	7.98	6.88	10.13	.....	.....	85
3- 0	x7- 0 1⅜ inches	4.86	9.12	7.36	11.60	6.71	10.95	90
2- 8	x6- 8 1¾ inches	5.16	8.64	7.81	11.06	7.12	9.97	85
2- 8	x7- 0 1¾ inches	5.51	8.96	8.24	11.49	7.55	10.40	85
3- 0	x7- 0 1¾ inches	6.01	10.27	8.83	13.04	8.15	12.39	100

Washington

Carefully selected clear Fir front doors made with edge grain stiles and rails and 3-ply laminated slash grain panels to show the beautiful grain.

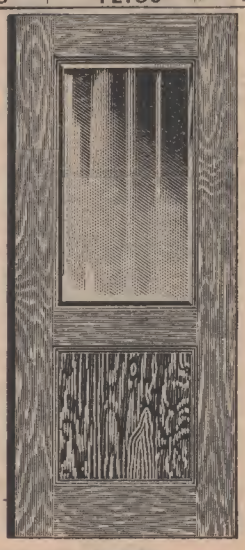
Glass set with wood stops.



California

Finest construction thruout, smoothly sanded, guaranteed not to warp or twist providing ordinary care is used when received. Ready for paint or stain.

Water-Proof Glue Is Used On All Our Doors



Oregon

SIZES:		WASHINGTON		CALIFORNIA		OREGON		Shipping Weight, Pounds
Width Ft. In.	Height Ft. In. Thickness	*10-G-378* Glazed Clear Plain Glass	*10-G-379* Glazed Bevel Plate Glass	*10-G-696* Glazed Clear Plain Glass	*10-G-697* Glazed Florentine	*10-G-381X* Glazed Clear Plain Glass	*10-G-382X* Glazed Bevel Plate Glass	
2- 6	x6- 6 1⅜ inches	.....	.....	$4.25	$4.87	$4.52	$13.75	95
2- 8	x6- 8 1⅜ inches	$5.98	$18.03	4.50	5.27	4.90★	15.02★	105
2-10	x6-10 1⅜ inches	.....	.....	4.97	5.86	5.43★	16.66★	115
2- 8	x7- 0 1⅜ inches	.....	.....	5.07	5.73	5.24★	16.50★	115
3- 0	x7- 0 1⅜ inches	7.05	23.20	5.43	6.32	5.43★	18.87★	120

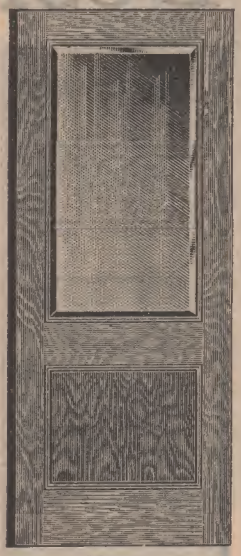
★We can furnish these Oregon doors 1¾ inches thick at $2.60 extra.

Oak, Birch and Fir Doors

Shakespeare

These artistically designed front doors reflect good taste. The attractive grain of the wood and impressive glazed effects make any one of these three doors desirable selections that will add a splendid touch to any entrance.

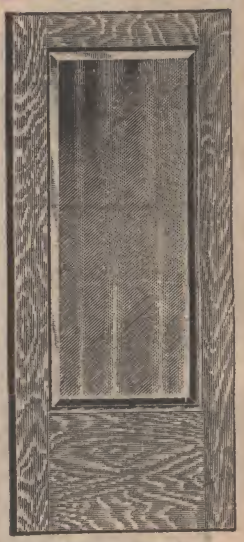
Veneered doors must be stored in perfectly dry place and given a coat of "filler" before exposed to weather of any kind.



Mozart

These high-grade first quality veneered hard-wood doors bring out the beautiful grain of the wood. Carefully made by skilled craftsmen to embody all that is best in appearance and ability to stand the test of time.

Veneered doors must be stored in perfectly dry place and given a coat of "filler" before exposed to weather of any kind.



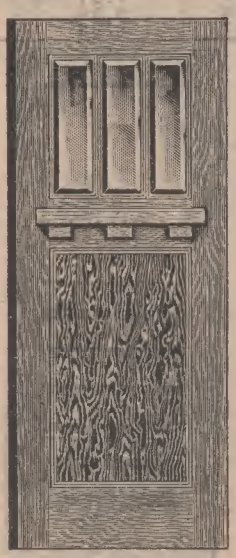
American Beauty

The illustrations of Hardwood Front Doors shown on this page are as near like the original product as pictures can make them. The improved rotary cut veneer process makes the ordinary Birch resemble very closely the higher priced curly birch. In Oak Doors, most people prefer this method of veneering to the finest quarter-sawed oak. But this is not the only modern improvement which distinguishes our veneered doors from the common variety. Glass is set with wood stops. "Water Proof" Glue is used.

1¾ Inch Thick	SHAKESPEARE				MOZART				AMERICAN BEAUTY				Shipping Weight Pounds
	Red Oak		Northern Birch		Red Oak		Northern Birch		Red Oak		Northern Birch		
SIZES Width Height	10-G-217 Glazed Clear Glass	10-G-218 Glazed Beveled Plate	10-G-219 Glazed Clear Glass	10-G-220 Glazed Beveled Plate	10-G-264X Glazed Clear Glass	10-G-266X Glazed Beveled Plate	10-G-740X Glazed Clear Glass	10-G-741X Glazed Beveled Plate	10-G-1X Glazed Clear Glass	10-G-3X Glazed Beveled Plate	10-G-251X Glazed Clear Glass	10-G-253X Glazed Beveled Plate	
2 ft. 8 in. x 6 ft. 8 in.	$17.47	$30.64	.....	.....	$14.34	$22.52	$12.04	$20.21	$14.25	$25.64	$11.96	$23.14	130
2 ft. 10 in. x 6 ft. 10 in.	18.48	31.33	$15.49	$28.33	15.40	25.25	12.90	22.75	15.51	28.33	13.00	26.33	140
2 ft. 8 in. x 7 ft. 0 in.	18.05	31.24	15.08	28.25	15.26	24.62	12.79	22.15	15.06	27.47	12.59	25.00	145
2 ft. 10 in. x 7 ft. 0 in.	.....	.....	.....	.....	.....	.....	13.25	23.70	.....	.....	13.41	27.58	150
3 ft. 0 in. x 7 ft. 0 in.	19.27	31.97	.....	.....	16.47	28.85	13.79	25.36	16.52	32.52	13.83	29.83	155

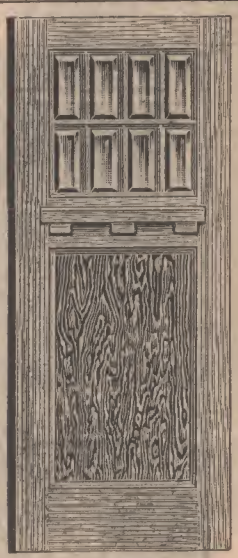
Winona

Fir Bungalow and Cottage Doors



Columbia

Of The Latest and Most Attractive Designs



Victoria

Here are three beautiful designs especially adapted for the finest homes. Well made, strong and substantial high grade doors. Clear kiln-dried Fir lumber, solid edge grain stiles and rails. 3-ply laminated panels showing the beautifully figured grain; when properly finished, no one but an expert could distinguish them from the most expensive hardwood doors. Best door values obtainable. Best quality Water-proof Glue used. Glass is set with wood stops.

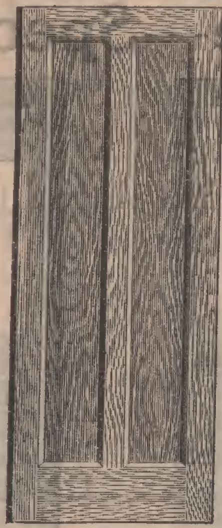
SIZES Width Height ft. in. ft. in.	Thickness	WINONA 10-G-416 Glazed Clear Plain Glass	WINONA 10-G-417 Glazed Beveled Plate	COLUMBIA 10-G-393 Glazed Clear Plain Glass	COLUMBIA 10-G-394 Glazed Beveled Plate	VICTORIA 10-G-397 Glazed Clear Plain Glass	VICTORIA 10-G-398 Glazed Beveled Plate	Shipping Weight Pounds
2- 8x6- 8	1⅜ inches	$5.52	$10.75	$6.32	$10.99	$7.51	$12.53	80
2- 8x6- 8	1¾ inches	6.79	12.02	7.58	12.26	8.77	13.79	95
3- 0x7- 0	1¾ inches	7.79	13.84	8.69	14.10	9.84	16.00	105

Kenwood

Oak and Birch Doors

The stiles, rails, and panels in all these doors are laminated, that is, built up from two outside plies of veneer selected for beauty of grain, and a center core, the grain of the core running in opposite directions. Thus one layer strengthens the other layer next to it and the result is the permanent, extra strong panel.

Water-proof Glue Is Used on All Our Doors.



Pilgrim

Oak and Birch Doors

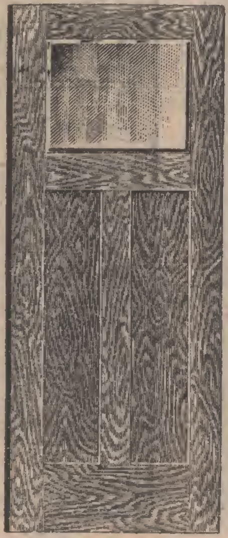
Only the highest grade of workmanship goes into our Oak and Birch doors. They are as beautifully flaked and figured as the front doors, therefore, will permit the finishing in the natural wood. Birch is especially suitable for staining to imitate mahogany. Suitable for finest residences.

Veneered doors must be stored in a perfectly dry place and given a coat of "filler" before exposed to weather of any kind.

Elite

The Birch Doors being made from a naturally close grained wood will take the finest eggshell and white enamel finish. Guaranteed interlocking core construction. In Veneered Red Oak and Northern Birch.

Be Sure to State Thickness	KENWOOD		PILGRIM		ELITE		Shipping Weight Pounds
SIZES Width Height Ft. In. Ft. In.	Red Oak *10-G-335* 1¾ inch thick	Northern Birch *10-G-336* 1¾ inch thick	Red Oak *10-G-11* 1⅜ inch thick	Birch *10-G-12* 1⅜ inch thick	Red Oak *10-G-9* 1⅜ inch thick	Northern Birch *10-G-10* 1⅜ inch thick	
2- 0 x 6- 0	$11.29	$ 8.97	....	....	$ 8.84	$ 6.67	55
2- 0 x 6- 6	11.49	9.12	....	....	9.04	6.82	60
2- 4 x 6- 6	11.93	9.46	....	....	9.48	7.16	62
2- 6 x 6- 6	12.25	9.71	....	....	9.80	7.40	77
2- 0 x 6- 8	11.55	9.17	$ 9.65	$ 7.27	9.10	6.87	79
2- 2 x 6- 8	11.74	9.32	9.84	7.62	9.29	7.02	80
2- 4 x 6- 8	12.00	9.51	10.10	7.81	9.55	7.21	82
2- 6 x 6- 8	12.32	9.76	10.42	8.06	9.87	7.46	84
2- 8 x 6- 8	12.70	10.03	10.80	8.33	10.25	7.75	86
2-10 x 6-10	....	10.74	....	....	11.15	......	90
2- 0 x 7- 0	12.32	9.75	10.42	8.06	9.87	7.46	85
2- 2 x 7- 0	12.51	....	10.65	8.20	10.06	......	88
2- 4 x 7- 0	12.76	10.10	10.87	8.40	10.32	7.80	90
2- 6 x 7- 0	13.08	10.34	11.19	8.65	10.64	8.04	95
2- 8 x 7- 0	13.47	10.64	11.57	8.94	11.02	8.34	100
2-10 x 7- 0	13.92	....	12.02	9.29	....	......	105
3- 0 x 7- 0	....	11.37	....	....	11.98	9.27	110



Greenwood

Oak Doors

The Greenwood, Keystone and Rubens Doors, make very neat and substantial front doors and are especially designed for the present style bungalow and residence architecture.

Keystone

Oak Doors

These doors are made from carefully selected stock, especially selected for its beauty of grain and color. Substantial improved construction is featured in all designs. Glass set with wood stops.

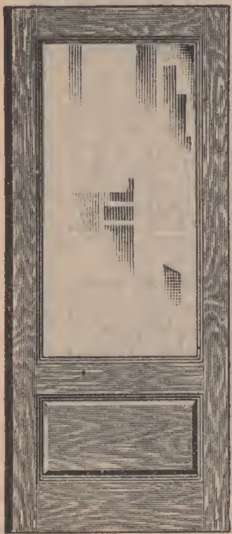
Rubens

These doors are the Latest Craftsman designs. Veneered in clear red oak, with white pine cores, interlocked and glued, making a door foundation that is the best known today. Over this core or foundation is applied perfected clear Red Oak veneer, a product of oak logs of the very best quality. The veneered door properly made is a great deal more desirable than the solid door. Water-proof Glue is used. Glass set with wood stops.

SIZE		GREENWOOD		KEYSTONE		RUBENS		Shipping Weight Pounds
Width, Height ft. in. ft. in.	Thickness	*10-G-442* Glazed Clear Plain Glass	*10-G-443* Glazed Beveled Plate	*10-G-447* Glazed Clear Plain Glass	*10-G-448* Glazed Beveled Plate	*10-G-240* Glazed Clear Plain Glass	*10-G-241* Glazed Beveled Plate	
2- 8x6- 8	1¾ inches	$13.45	$17.71	$14.46	$18.00	$15.03	$19.30	110
2- 8x7- 0	1¾ inches	14.25	18.49	15.25	18.79	15.83	20.10	115
3- 0x7- 0	1¾ inches	15.31	20.47	16.32	20.26	16.89	22.70	125

Only sizes listed carried in stock. Prices on other sizes on application.

White Pine—Special Values



Lilac

Violet

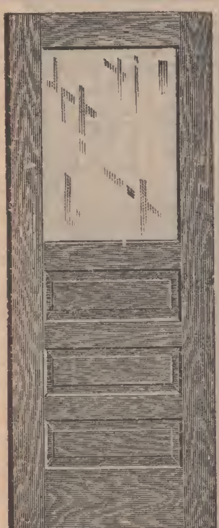
Mignonette

Tulip

CLEAR WHITE PINE DOORS in neat paneled styles glazed with clear plain glass or with Florentine Glass. Will finish splendidly in varnish, paint or enamel. First quality doors throughout, solid panels as shown. Glass in these doors set wood stops.

SIZES		LILAC		VIOLET		MIGNONETTE		TULIP		Shipping Weight Pounds
Width Height ft. in. ft. in.	Thickness	*10-G-408* Glazed Plain Glass	*10-G-409* Glazed Bevel Plate	*10-G-36* Glazed Clear Plain Glass	*10-G-37* Glazed Florentine Glass	*10-G-32* Glazed Clear Plain Glass	*10-G-33* Glazed Florentine Glass	*10-G-40* Glazed Clear Plain Glass	*10-G-388* Glazed Florentine Glass	
2- 6x6- 6	1⅜ inches	$5.20	$13.07	$5.09	$5.57	$4.86	$5.28	$4.67	$5.17	70
2- 8x6- 8	1⅜ inches	5.52★	14.69★	5.52	5.89	5.12	5.61	4.86★	5.46★	75
2-10x6-10	1⅜ inches	6.05★	16.35★	......	......	5.63	6.16	5.39	6.02	80
2- 8x7- 0	1⅜ inches	5.98★	16.03★	......	......	5.54	6.06	5.31★	5.91★	80
3- 0x7- 0	1⅜ inches	6.21★	17.76★	......	......	......	......	5.81	6.37	90

Doors marked with ★ can be furnished in 1¾ inches thickness @ $2.60 each extra.



Golden Glow

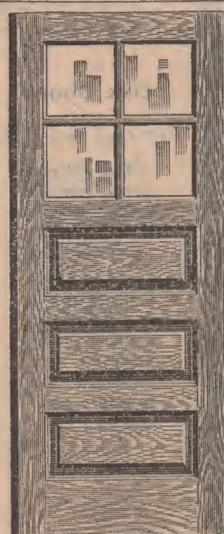
Peony

White Pine Front Doors

In this quartet of first quality clear soft pine doors we present unmatchable values. Neat glazed effects, practical and substantial. Take any finish—varnish, paint or enamel.

All doors are, of course, first quality of clear kiln-dried lumber thruout—solid panels as shown.

Glass in these doors set with wood stops.



Aster

Holly

SIZES		GOLDEN GLOW		PEONY		ASTER		HOLLY		Shipping Weight Pounds
Width Height ft. in. ft. in.	Thickness	*10-G-333* Glazed Clear Plain Glass	*10-G-334* Glazed Florentine Glass	*10-G-445* Glazed Clear Plain Glass	*10-G-446* Glazed Bevel Plate	*10-G-328* Glazed Clear Plain Glass	*10-G-329* Glazed Florentine Glass	*10-G-411* Glazed Clear Plain Glass	*10-G-412* Glazed Bevel Plate	
2- 6x6- 6	1⅜ inches	$4.77	$5.25	$5.09	$8.82	$5.51	$6.13	$6.77	$11.15	70
2- 8x6- 8	1⅜ inches	5.04★	5.57★	5.39★	9.59★	5.75★	6.42★	6.93★	11.39★	75
2-10x6-10	1⅜ inches	5.57★	6.11★	5.89	10.43	6.32	7.04	7.50	11.86	85
2- 8x7- 0	1⅜ inches	5.42★	6.00★	5.84★	10.03★	6.26	6.95	7.46★	11.84★	80
3- 0x7- 0	1⅜ inches	5.86★	6.48★	6.21★	11.30★	6.50	7.39	7.78★	12.80★	90

Doors marked with ★ can be furnished in 1¾ inches thickness @ $2.60 each extra.

White Pine Front and Inside Doors

Iris

Here are some attractive new designs of beautiful front doors made of clear soft white pine. Any one of them will add a touch of good taste to the entrance of any home.

★ These doors can be furnished 1¾ inches thick at $2.60 additional.

Phlox

A-1 Quality Throughout

Solidly built of carefully selected thoroughly seasoned lumber and securely put together to endure. Take paint or any finish perfectly.

Glass set with wood stops.

Pansy

1⅜ Inch Thick	IRIS		PHLOX		PANSY		Shipping Weight Pounds
Sizes Width Height ft. in.	***10-G-627*** Glazed Clear Plain Glass	***10-G-628*** Glazed Beveled Plate	***10-G-638*** Glazed Clear Plain Glass	***10-G-639*** Glazed Beveled Plate	***10-G-523*** Glazed Clear Plain Glass	***10-G-524*** Glazed Beveled Plate	
2- 6x6- 6	**$4.67**	**$13.04**	**$5.95**	**$16.03**	**$7.52**	**$15.30**	70
2- 8x6- 8	**4.96★**	**14.43★**	**6.27★**	**19.30★**	**7.71★**	**16.24★**	75
2-10x6-10	**5.41**	**16.10**	**6.64★**	**20.24★**	**8.37★**	**17.53★**	80
2- 8x7- 0	**5.36★**	**16.67★**	**6.59★**	**20.67★**	**8.65★**	**17.78★**	80
3- 0x7- 0	**5.73★**	**18.16★**	**7.09★**	**24.02★**	**8.88★**	**18.34★**	90

Where we have ★ prices we can furnish Doors in these sizes 1¾ inches thick at $2.60 extra.

White Pine Inside or Outside Doors

10-G-56

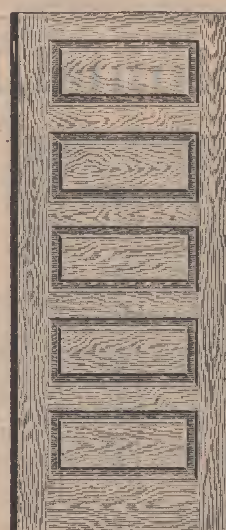
Clear White Pine Panel Doors

These are the old standbys—white pine all the way through—no yellow pine panels to shrink and crack—best quality only. Why buy a cheaper grade when the difference in price is only a few cents? Doors 10-G-56 and 10-G-57 are being used a great deal in colonial homes.

10-G-57

A-1 Quality Only

Made with extra strong joints, mortised and tenoned. Doors designated as "A" quality mean that they are made of best, clear selected stock suitable for any style of finish. Three standard panel designs of highest quality.



10-G-59

SIZES Ft. In. Ft. In.	Thickness inches	"A" Quality	Ship. Wt., Lbs.
2- 0x6- 0	1⅜	**$3.23**	28
2- 0x6- 6	1⅜	**3.39**	30
2- 6x6- 6	1⅜	**3.92**	34
2- 0x6- 8	1⅜	**3.45**	34
2- 6x6- 8	1⅜	**3.98**	36
2- 8x6- 8	1⅜	**4.16**	38
2- 0x7- 0	1⅜	**3.74**	36
2- 6x7- 0	1⅜	**4.29**	40
2- 8x7- 0	1⅜	**4.48**	42
3- 0x7- 0	1⅜	**4.88**	46

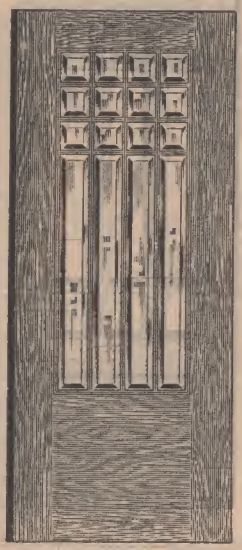
SIZES Ft. In. Ft. In.	Thickness inches	"A" Quality	Ship. Wt., Lbs.
2- 0x6- 0	1⅜	**$3.24**	28
2- 0x6- 6	1⅜	**3.40**	30
2- 6x6- 6	1⅜	**3.93**	34
2- 0x6- 8	1⅜	**3.45**	32
2- 6x6- 8	1⅜	**3.99**	36
2- 8x6- 8	1⅜	**4.17**	38
2- 0x7- 0	1⅜	**3.75**	36
2- 6x7- 0	1⅜	**4.30**	40
2- 8x7- 0	1⅜	**4.49**	42
3- 0x7- 0	1⅜	**4.89**	46

You will always get quick service by ordering stock sizes and designs from our catalog. If you must have "Special" or made-to-order goods, we will gladly furnish them; but remember they cost more and you must allow from three to four weeks extra time. Sizes not listed and odd sizes are considered "Special." If you order stock sizes and special goods, please advise if you want us to ship stock items at once, or hold the entire order awaiting the completion of "Special" items. Avoid disappointment by ordering your requirements well in advance.

SIZES Ft. In. Ft. In.	Thickness inches	"A" Quality	Ship. Wt., Lbs.
2- 0x6- 0	1⅜	**$3.17**	28
2- 0x6- 6	1⅜	**3.33**	30
2- 4x6- 6	1⅜	**3.67**	34
2- 6x6- 6	1⅜	**3.85**	32
2- 0x6- 8	1⅜	**3.39**	34
2- 4x6- 8	1⅜	**3.75**	36
2- 6x6- 8	1⅜	**3.90**	38
2- 8x6- 8	1⅜	**4.08★**	40
2-10x6-10	1⅜	**4.53★**	36
2- 0x7- 0	1⅜	**3.67**	36
2- 4x7- 0	1⅜	**4.03**	38
2- 6x7- 0	1⅜	**4.21**	40
2- 8x7- 0	1⅜	**4.40★**	44
3- 0x7- 0	1⅜	**4.79★**	50

Where we have ★ prices we can furnish Doors in these sizes 1¾ inches thick at $2.60 extra.

Finest White Pine Front Doors



Whittier

White Pine

Choice designs, made of specially selected clear kiln-dried white pine lumber. When glazed double strength glass or beveled plate, add beauty to any residence. Smoothly sanded and will finish splendidly in paint or enamel. Guaranteed A-1 quality doors throughout.

Honeysuckle

White Pine

The Colonial front door combines strong, solid construction, paneled to create a dignified, impressive design. Especially suited for Colonial design homes. This door is very frequently used in connection with Colonial side lights offered on page 15 of this catalog.

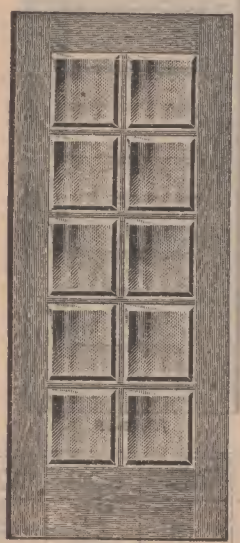
Colonial

Clear soft white pine front doors. Cannot be equalled for long service under most severe weather conditions. Strictly first-class, a door of the highest rank at lowest prices. Glass in these doors set with wood stops.

SIZES Width	Height	WHITTIER—1¾ In. Thick 10-G-817 Glazed Clear Plain Glass	WHITTIER—1¾ In. Thick 10-G-818 Glazed Beveled Plate	HONEYSUCKLE—1¾ In. Thick 10-G-15 Glazed Clear Plain Glass	HONEYSUCKLE—1¾ In. Thick 10-G-16 Glazed Beveled Plate	COLONIAL—1¾ In. 10-G-324 1¾ inches Thick	Shipping Weight Pounds
2 ft. 6 in. x 6 ft. 6 in.				$6.56	$20.66		70
2 ft. 8 in. x 6 ft. 8 in.		$13.76	$28.90	6.74★	23.97★	$7.86	75
2 ft. 10 in. x 6 ft. 10 in.		14.24	29.30	7.52★	27.23★		85
2 ft. 8 in. x 7 ft. 0 in.				7.09★	25.57★		80
3 ft. 0 in. x 7 ft. 0 in.		14.56	29.47	7.83★	29.56★	8.96	90

Please note: Whittier and Colonial doors are 1¾ inches thick. Honeysuckle doors ★ can be furnished 1¾ in. thick at $2.60 additional.

Colonial, Porch and Terrace French Doors



Virginia

White Pine

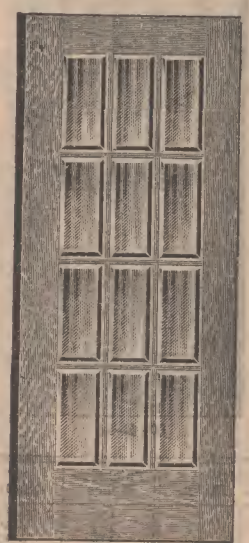
Clear, kiln dried white pine lumber, perfectly manufactured. The division bars are extra heavy and are mortised into the stiles and rails, making them exceptionally strong. The glass is held in place with wood stops, not with putty.

Carolina

White Pine

Colonial and French Doors representing the very latest in French, Balcony and Vestibule Doors. You'll also find them very desirable for sun parlors and sleeping porches, and where plenty of light is wanted. Never in the history of house building have our sales on this item been as great as at present — there's a reason — real quality.

French Doors in Pairs Shown on Page 11.



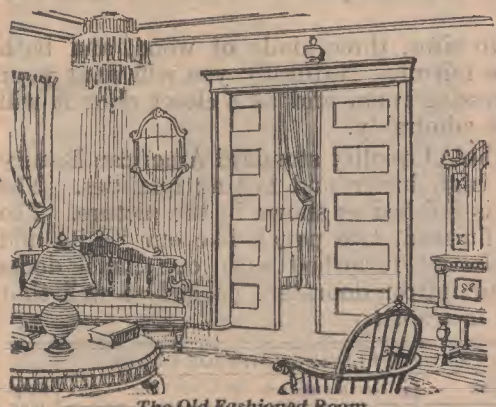
Maryland

SIZES Width Height ft. in. ft. in.	Thickness	VIRGINIA 10-G-1150 Glazed Clear Plain Glass	VIRGINIA 10-G-1151 Glazed Bevel Plate	CAROLINA 10-G-1152 Glazed Clear Plain Glass	CAROLINA 10-G-1153 Glazed Bevel Plate	MARYLAND 10-G-1154 Glazed Clear Plain Glass	MARYLAND 10-G-1155 Glazed Bevel Plate	Shipping Weight Pounds
2-8 x 6-8	1⅜ inches	$7.03	$21.06	$ 7.12	$20.16	$ 7.30	$17.92	90
2-8 x 7-0		7.28	21.31	7.55	21.20	7.86	18.66	95
3-0 x 7-0		7.76	23.38	7.94	27.86	8.11	24.67	100
2-8 x 6-8	1¾ inches	9.65	23.68	9.68	22.72	10.02	20.67	100
2-8 x 7-0		10.13	24.16	10.34	23.99	10.32	21.62	105
3-0 x 7-0		10.64	26.26	10.77	30.69	11.07	27.68	115

French Doors in Pairs

Oak, Birch, White Pine and Fir

For Both NEW and OLD HOUSES



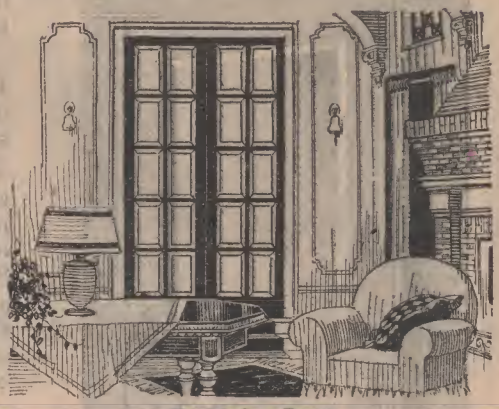
The Old Fashioned Room

Make your home up-to-date, add greatly to its beauty as well as its selling value by installing one or more pair of French doors, both for interior and exterior—it is all the rage. You will be agreeably surprised at the enhanced beauty of your home by adding these practical light-giving, beautiful French doors.

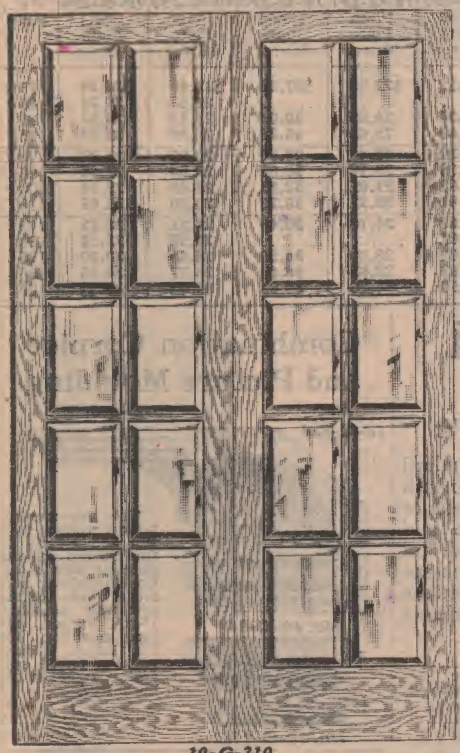
Where you have old sliding doors or cased openings, in many instances our stock doors will fit, or can be made to fit with slight trimming.

Please Note

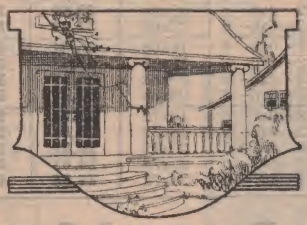
All our French doors are guaranteed first quality doors throughout, clear kiln dried lumber, **glass set with wood stops** (not puttied), strong, handsomely moulded bevel edged division bars. Wide stiles and rails, made for standard locks. Nothing skimpy or cheap about the doors excepting the price.



The Modern Room



10-G-310



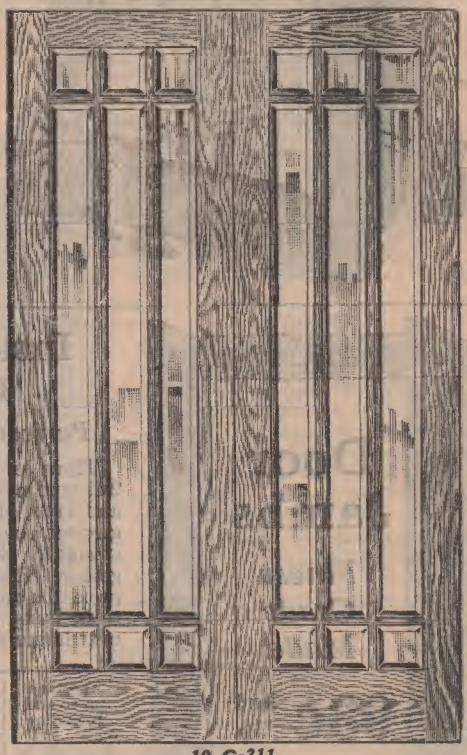
In the more up-to-date residences, bungalows, and modern homes, French Doors and Windows are becoming increasingly popular.

Furnished in "A" quality White Pine, Fir, Veneered Clear Red Oak or Northern Birch; glazed Clear plain glass, and beautiful beveled plate glass.

These doors are extra strong and exceptionally well made and carried in stock in Fir 1⅜ and in White Pine 1⅜ and 1¾ inches thick. Oak and Birch are carried in stock in 1¾ inches only.

Price includes a flat Astragal with each pair of doors, for over joints.

Single French Doors shown on preceding page.



10-G-311

Prices Per Pair

STYLE	*10-G-310*					*10-G-311*				Shipping Weight, Pounds
GLAZING	Clear Plain Glass					Clear Plain Glass				
WOOD	Fir	White Pine		Oak	Birch	Fir	White Pine		Oak	
THICKNESS, Inches	1⅜	1⅜	1¾	1¾	1¾	1⅜	1⅜	1¾	1¾	
SIZE, Per pair										
4-0x6-8	$ 9.89	$12.38	$16.74	$24.23	$20.16	$12.02	$13.57	$17.81	$24.75	130
4-0x7-0	10.34	12.96	17.59	25.38	21.03	12.37	14.15	18.66	27.50	135
5-0x6-8	11.43	13.58	18.10	26.34	22.02	12.99	14.11	18.45	27.84	140
5-0x7-0	11.81	14.18	19.09	27.52	22.88	13.87	15.20	19.97	29.49	145
5-4x6-8	11.86	13.70	18.23	26.95	22.45	13.43	14.43	18.83	28.62	150
5-4x7-0	12.22	14.23	19.19	28.10	23.31	14.43	15.58	20.43	30.40	155
GLAZING	Beveled Plate Glass					GLAZING	Beveled Plate Glass			Shipping Weight, Pounds
WOOD	Fir	White Pine		Oak	Birch	WOOD	Fir	White Pine	Oak	
THICKNESS, Inches	1⅜	1⅜	1¾	1¾	1¾	THICKNESS, Inches	1⅜	1¾	1¾	
SIZE, Per pair						SIZE, Per pair				
4-0x6-8	$27.94	$30.34	$34.69	$42.18	$38.08	4-0x6-8	$37.22	$38.77	$43.01	$51.55	130
4-0x7-0	28.29	30.91	35.54	44.93	38.98	4-0x7-0	39.46	41.23	45.75	54.59	135
5-0x6-8	38.28	40.43	44.95	53.22	48.87	5-0x6-8	39.91	40.96	45.30	54.69	140
5-0x7-0	39.87	42.24	47.14	55.59	50.95	5-0x7-0	45.44	46.96	51.67	61.19	145
5-4x6-8	39.92	41.76	46.29	55.01	50.51	5-4x6-8	46.91	47.92	52.32	62.11	150
5-4x7-0	40.28	42.29	47.25	56.16	51.38	5-4x7-0	50.40	51.55	56.40	66.37	155

DOORS NOT PRICED NOT CARRIED IN STOCK. *SPECIAL SIZES MADE TO ORDER AT ADVANCED PRICES*

Bevel and Plain Plate Mirror Doors

Full length Mirror Doors combine the useful purpose of both door and wall mirror at a lower price and reduces danger of breakage.

Plenty of choice as to sizes, three kinds of wood, and both Plain and Beveled Plate mirror. Naturally you will want your mirror door in your dressing room and as a closet door it will serve the double purpose admirably.

Our mirrors are of the A1 quality standard American Beauty grade—noted for their high luster and lasting qualities. The mirror side of the door is finished as shown in the picture. The other side is regularly finished, two panel, like our "Elite and Seattle" door. Can also be furnished with one panel door at advanced prices. Our mirror doors are packed so well that they cannot be marred in transit.

1⅜ inches thick SIZES W'th. Ht. ft. in. ft. in.	Approx. Size of Plate Mirror	PRICES OF "FULLVIEW" MIRROR DOORS — Red Oak: 10-G-289 Plain Plate Mirror	Red Oak: 10-G-290 Bevel Plate Mirror	Northern Birch: 10-G-291 Plain Plate Mirror	Northern Birch: 10-G-292 Bevel Plate Mirror	Fir: 10-G-293 Plain Plate Mirror	Fir: 10-G-294 Bevel Plate Mirror	Shipping Wgt. Lbs.
2- 0x6- 6	16x66	$25.20	$30.12	$22.98	$27.90	$19.46	$24.38	75
2- 2x6- 6	18x66	....	....	....	....	21.53	26.71	80
2- 4x6- 6	20x66	28.80	34.24	24.89	30.07	23.13	28.57	80
2- 6x6- 6	22x66	32.19	37.89	29.69	35.39	26.29	31.99	85
2- 0x6- 8	16x68	25.64	30.82	23.41	28.59	20.05	25.23	90
2- 2x6- 8	18x68	27.47	32.89	25.18	30.62	22.04	27.48	95
2- 4x6- 8	20x68	30.12	35.82	27.01	32.81	23.69	29.39	100
2- 6x6- 8	22x68	32.72	38.67	30.31	36.26	26.90	32.85	110
2- 0x7- 0	16x72	27.17	32.87	24.76	30.46	21.11	26.81	115
2- 2x7- 0	18x72	28.86	34.81	....	....	22.98	28.93	120
2- 4x7- 0	20x72	30.82	37.02	28.30	34.50	24.69	30.89	125
2- 6x7- 0	22x72	34.63	41.09	32.03	38.49	28.37	34.83	130
2- 8x7- 0	24x72	36.88	43.59	34.20	40.91	30.42	37.13	135

Inside Door and Cased Opening Jambs

Perfectly Machined and Cut to Fit

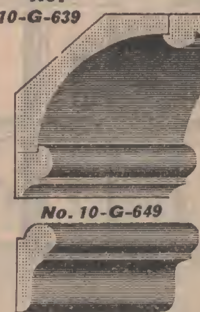
These Jambs are ¾x5¼ inches wide for standard 2x4 stud construction, plaster and lath. Cut smooth and true, clear face stock. Side Jambs dadoed or grooved out for heads. Heads cut square and straight. Smoothly sanded and ready to nail together. Prices do not include door stops, which are priced below. Stops are needed only where doors are to be hung. Intermediate sizes furnished at price of next larger size listed.

Any Size up to and Including Width Ht. ft. in. ft. in.	10-G-101 Yellow Pine Price Per Set	10-G-102 Fir Price Per Set	10-G-602 Red Oak Price Per Set	10-G-104 Birch Price Per Set
2–8 x 6–8	$0.93	$1.04	$1.86	$1.89
3–0 x 7–0	.98	1.09	1.96	1.99
5–0 x 7–0	1.29	1.42	2.06	2.10
8–0 x 8–0	1.49	1.64	2.20	2.25
9–0 x 9–0	1.69	1.86	2.50	2.58

Special sizes of all kinds made to order. Intermediate sizes furnished at price of next larger size listed. Jambs for plasterboard walls usually 4⅜ inches wide, furnished at same price as above. However, be sure that you specify for plasterboard walls and give finished width desired. Jambs for 2x6 studding, not exceeding 7½ inches wide, 50%, or one-half more than these prices.

Combination Cornice and Picture Moulding

No. 10-G-639 **10-G-649**



No. 10-G-649

No. 10-G-8264

This four membe interior cornice trin will add greatly t the finished appear ance of any room Cove moulding is inches wide, ceiling and wall moulding 1⅜x¾ inches, pic ture moulding, ¾ 1¾ inches. Each member priced sep arate. Price per 10 lineal feet.

Wood Clear Grade	10-G-649 Ceiling or Wall Moulding	10-G-639 Cove Moulding	10-G-8264 Picture Moulding
Y. Pine..	$1.53	$ 8.60	$1.60
Fir......	1.68	9.46	1.70
Red Oak.	2.98	17.20	3.40
Birch....	3.13	18.10	3.67

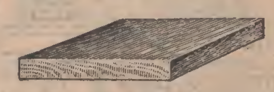
O. G. DOOR STOPS IN SETS—Clear Grade

⅜ inches x 1⅝ inches
O. G. Stop No. 8085. For other Stops see page 25.

One set of Door Stops is needed for each inside door. Prices are for Stop No. 8085. PRICE PER SET.

Width Height ft. in. ft. in.	10-G-8951 Yellow Pine	10-G-8952 Fir	10-G-8953 Red Oak	10-G-8954 Birch
2–8 x 6–8	$0.22	$0.23	$0.47	$0.48
3–0 x 7–0	.25	.27	.54	.55
5–0 x 7–0	.28	.30	.61	.62

PANEL STRIPS



10-GX-549

A Neat Panel Strip 5/16x2½ inches. Prices are per lineal foot.

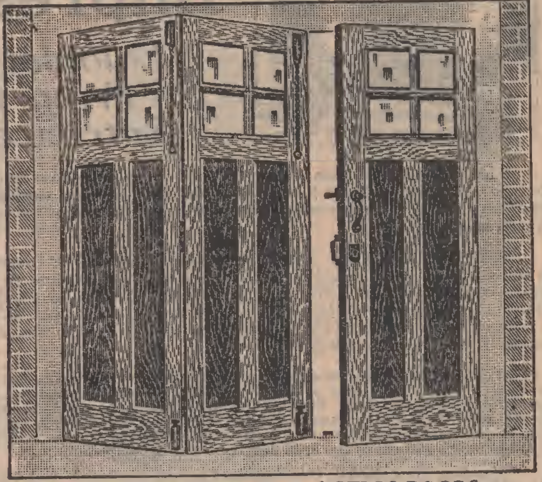
Clear Yellow Pine........................3c
Clear Fir..............................4c
Clear Red Oak..........................6c
Clear Birch............................7c

For additional Panel Strips see page 30.

GARAGE AND MULTIFOLD DOORS

ASHLAND

ATLAS



Triple Combination of ATLAS DOORS

Our Multifold Combination Garage and Warehouse Doors are made of Clear Kiln Dried Fir. The stiles and rails of the doors are mortised and pinned which construction gives you a more durable door. The panels are extra heavy, being set into the grooves of the stiles and rails by means of special machinery, making it practically impossible for the panel to warp or check. Water-proof glue is used on all our doors. In offering you these doors it is our intention to give you the best value obtainable for the money, and we must ask that you do not confuse these doors with the so-called "just-as-good-makes." Remember, our doors are made of Fir, cf mortised and pinned construction, glass set with wood stops and equipped with durable panels—four distinct and essential features necessary to make a good garage or warehouse door. Hardware not included.

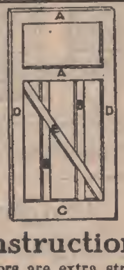
ASHLAND DOOR

Catalog Number	Size of each door			2 doors will fill opening	Price, per pair 2 doors	Shipping Weight Pounds
	Width	Height	Thickness			
10-G-502	4 Ft.	8 Ft.	1¾ inches	8'x8'	$16.35	210

MULTIFOLD COMBINATION	SINGLE DOOR	DOUBLE COMBINATION	TRIPLE COMBINATION
Size of each door..........	2'8"x8'	2'8"x8'0"	2'8"x8'
Total size of opening........	2'8"x8'	5'4"x8'0"	8'x8'
Price, Atlas, ***10-G-1445***....	$5.95	$11.85	$17.35

"PALMER"

PRESTO "No Sag" Garage Doors 3 Sizes



Construction

"PRESTO" doors are extra strong and specially braced.

All mortise and tenoned joints glued and pinned. Made from clear Oregon Fir Lumber. The top and middle cross member (a) 2x6. Vertical Mullions (b) 2x4. Bottom cross member (c) 2x8. Outside stiles (d) 2x6. Net thickness of the door is about 1⅝ inches. All members are deeply rabbeted to receive the Clear kiln-dried Fir Beaded Ceiling under tremendous pressure, by special machinery. The back of the door is braced diagonally (e) and this brace is dadoed into the 2x4 mullions so that it not only gives shoulder and heel brace but also two center braces. It is the dadoing of the mullions (b) into which the diagonal brace (e) is fitted that positively prevents sagging.

"GARFIELD"

PRESTO "No Sag" Garage Doors 3 Sizes

The days of the old high type of automobile, requiring high openings are past. The average present day automobile can easily and with plenty of clearance enter into a 7'8" door. We are quoting below three sizes that will take care of practically any size garage. Construction same as our "Palmer" door.

The 3'9" wide are made for the builder who wishes to build a double garage limited to 16' front and will give a door opening width of 7'6" wide for each car.

PALMER

Number	Net Size, Each	Pair will fit opening size	Price Each
38-G-1927	3'9"x7'8"	7'6" wide x 7'8" high	$7.00
38-G-1928	4'0"x7'8"	8'0" wide x 7'8" high	7.59
38-G-1929	4'0"x8'0"	8'0" wide x 8'0" high	7.90

GARFIELD

Number	Net Size, Each	Pair will fit opening size	Price Each
38-G-1930	3'9"x7'8"	7'6" wide x 7'8" high	$8.00
38-G-1931	4'0"x7'8"	4'0" wide x 7'8" high	8.50
38-G-1932	4'0"x8'0"	4'0" wide x 8'0" high	9.00

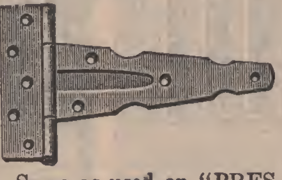
NOTE—Net trimmed size of the 4'0" "Palmer" and "Garfield" doors is 3'11⅝" and the 8'0" height is 7'11⅝"

Door Holders

Here is a boon to the garage owner. Thousands used as equipment on "PRESTO-UP" Garages. Prevents smashed fenders, broken doors, no more hooking on posts in the ground, no more slamming in the wind, etc., etc. Doors are released by a single pull of the chain. The door holders automatically catch and hold the doors in place as shown. Weight, 7 lbs. Price is per set (2 holders).

No. 38-G-140.
Price per set.... **$2.00**

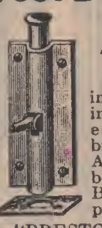
Hinges



Same as used on "PRESTO-UP" Garages. Heavy black japanned, the strap is 10", the butt 7" long by 2" wide. Complete with japanned screws. Weight, 4¼ lbs.

No. 38-G-141.
Price, per pair............ **85c**

Foot Bolts and Chain



Top Bolts

Round steel 6 inch case, ¾ inch bolt. Operated by a brass coil spring. Action of bolt by toe lever. Black, Japanned.

"PRESTO-UP" CHAIN BOLTS. Round steel 6 inch case, ¾ inch bolt. Can easily be reversed. Furnished with Duplex Steel Safety Chain with 1 inch Pull Ring. Complete with plates and screws.

No. 38-G-142. Foot and Chain Bolts, weight 1¾ pounds.
Price, per set............... **85c**

Impressive Front Entrances

"Colonial" Front Entrance

This entrance has been a favorite with many high-class American homes. You do not have to adhere to the style of door, sidelights or transom shown. You can select any other design shown in this book to fit the openings.

SPECIFICATIONS: The frame is hand made of Clear Oregon Fir, a wood which is best suited for exterior use because it stands up under severe weather changes. The outside casing is 1 1/8 inches by 4 1/4 inches. The sill is 1 5/8 inches by 7 1/4 inches. Jambs are 1 3/8 inches by 5 1/4 inches, rabbeted to receive doors 1 3/4 inches thick and furnished in this manner unless ordered to the contrary.

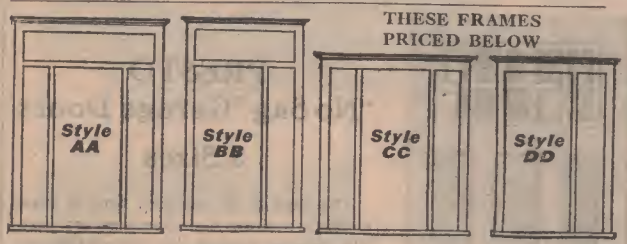
The workmanship is first class; finely finished and smoothly sanded ready to receive first priming coat of paint. The frame is shipped knocked down, but ready to put together. That part of the frame above the door and sidelights, which includes the transom bar and head jamb, is completely assembled and reaches you in one piece, so there is very little work necessary except to nail the jambs and sill to the head and the frame is complete.

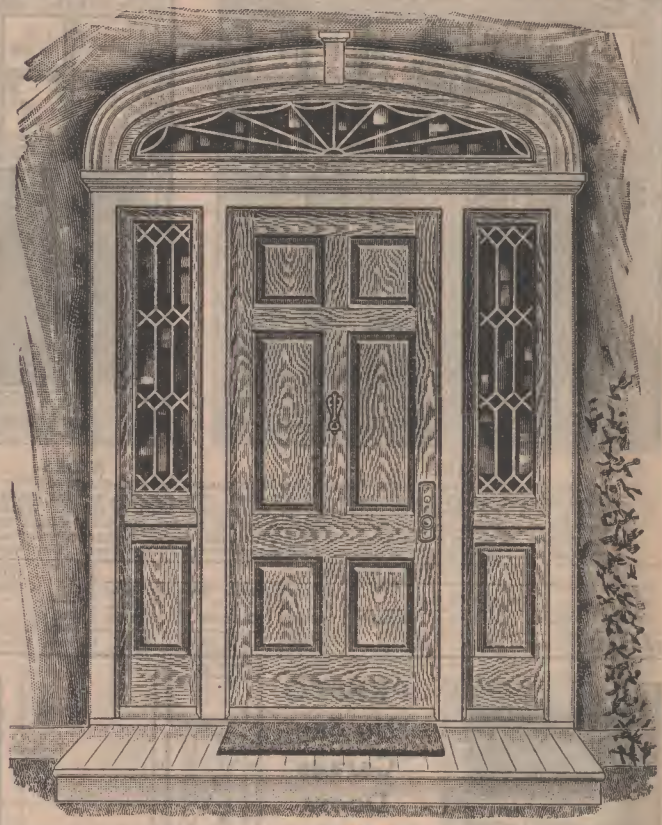
The door illustrated in this Entrance is our "Colonial" 3-0x7-0, 1 3/4, ***No. 10-G-324,*** the sidelights each 1-2x7-0, 1 3/4, our ***No. 10-G-205*** glazed Leaded Glass and the transom our ***No. 10-G-407.***

Prices of Frame Only

10-G-360. **COLONIAL** Entrance frame only.
Price..... **$36.70**
Shipping Weight approximately 160 pounds.

10-G-365. **COLONIAL** Front Entrance, complete with door, sidelights and transom as shown in cut to the right.
Price—Hardware not included..... **$80.70**
Shipping Weight 290 pounds.





"Englewood" Front Entrance

AT THE LEFT WE ILLUSTRATE A HANDSOME ENTRANCE

Made of the same excellent quality of material and workmanship as the above throughout.

SPECIFICATIONS: The frame is hand made of Clear Oregon Fir, a wood which is best for exterior use because it stands up under severe weather changes. The outside casing is 1 1/8 inches by 4 1/4 inches. The sill is 1 5/8 inches by 7 1/4 inches. Jambs are 1 3/8 inches by 5 1/4 inches, rabbeted to receive doors 1 3/4 inches thick and furnished in this manner unless ordered to the contrary. The frame is shipped knocked down and perfectly fitted ready to nail together.

The door shown in the Entrance to the left is our Shakespeare ***No. 10-G-218,*** 3-0x7-0, 1 3/4. Clear Red Oak Glazed Bevel Plate Glass, the sidelights each 1-2x7-0, 1 3/4, our ***No. 10-G-405*** Clear Red Oak Glazed Bevel Plate Glass, shown on pages 6 and 15, respectively.

We can furnish this entrance with either one or two sidelights and also with transom over the door and sidelights. See diagram above.

10-G-408. **ENGLEWOOD** Front Entrance, complete, per specifications above glazed in Clear Plain Glass. Price..... **$51.78**

10-G-410. **ENGLEWOOD** Front Entrance glazed with Clear Bevel Plate as shown in illustration.
Price..... **$75.20**
Shipping Weight approximately 320 pounds.

Prices do not include hardware. For prices on frames only, see below.

FRONT ENTRANCE FRAMES

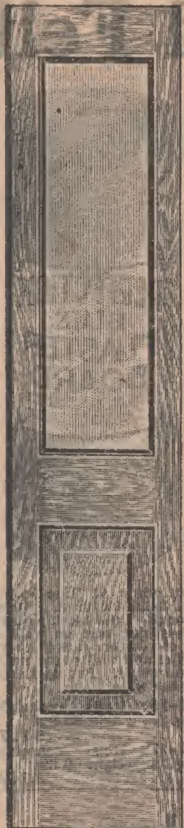
SPECIFICATIONS: For wood buildings, our frames are made with Crown Mould Cap Head, 1 1/8 inches by 4 1/4 inches outside Casing, 1 3/4 inches by 5 1/4 inches Jamb, 1 5/8 inches by 7 1/2 inches Sill. For brick building where the wall is 13 inches thick our frames are made with 1 3/4 inches by 10 1/2 inches Jamb, and 1 1/8 inches by 2 inches Brick Moulding.

Prices below cover frames only, with door opening up to 3 feet by 7 feet; Sidelight opening up to 1 foot 2 inches by 7 feet, and transom opening up to 18 inches high. All frames are shipped knocked down ready to put together. See illustrations above.

Style of Frame	For Wood Building	Price	For 13-inch Brick Wall	Price
"AA"	***10-G-450***	$11.92	***10-G-452***	$14.35
"BB"	***10-G-470***	11.65	***10-G-474***	13.32
"CC"	***10-G-460***	10.57	***10-G-464***	12.37
"DD"	***10-G-480***	8.95	***10-G-484***	10.40

Oak Frames for 13-inch Brick Wall, 50 per cent Extra.

Sidelights AND Transoms



10-G-205

10-G-209

Please Read!

Made from "A quality" clear soft pine, and clear red oak. Glass in sidelight set with wood stops.

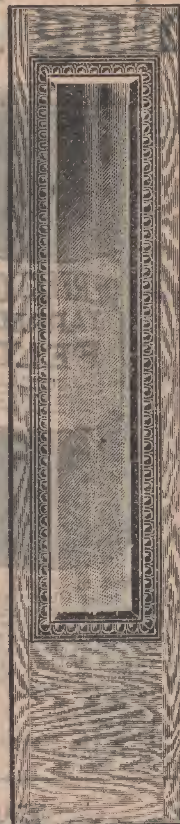
Sidelight No. 10-G-205 can be furnished with leaded glass like No. 10-G-209. We also furnish sidelight No. 10-G-209 glazed plain (not leaded).

White Pine 1⅜ inches thick
Oak 1¾ inches thick

Number	Wood	Glazing	Size	Price
10-G-205	White Pine	Plain Glass	1- 2x6- 8	**$3.58**
			1- 2x7- 0	**3.75**
		Like No. 10-G-209	1- 2x6- 8	**5.88**
			1- 2x7- 0	**6.05**
10-G-209	White Pine	Plain Glass	1- 2x6- 8	**4.12**
			1- 2x7- 0	**4.56**
		Leaded as Shown	1- 2x6- 8	**6.82**
			1- 2x7- 0	**7.28**
10-G-403	Red Oak	Plain Glass	1- 2x6- 8	**6.88**
			1- 2x7- 0	**7.40**
		Beveled Plate	1- 2x6- 8	**12.18**
			1- 2x7- 0	**13.01**
10-G-405	Red Oak	Plain Glass	1- 2x6- 8	**10.12**
			1- 2x7- 0	**10.97**
		Beveled Plate	1- 2x6- 8	**15.50**
			1- 2x7- 0	**16.33**

Sidelight No. 10-G-405 furnished in white pine 1⅜ thick to match Whittier door at $2.00 less than oak price.

Sidelights can be furnished to match Virginia, Carolina and Maryland Doors. Write for prices.



10-G-403

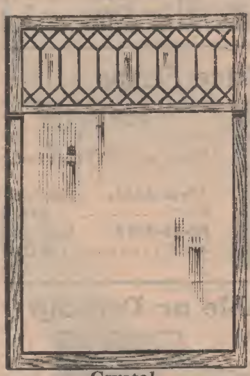
10-G-405

Transom No. *10-G-401*

Transom No. *10-G-407*

Transom No. 10-**G**-401 can be furnished leaded to match sidelights **No. 10-G-209.** Transom No. 10-**G**-407 can be furnished glazed leaded beveled plate. Write for prices.

SIZES 1⅜ Inch Thick	*10-G-401* White Pine Glazed 1 Light	*10-G-401* White Pine Glazed 2 Lights	*10-G-401* Oak or Birch Glazed 1 Light	*10-G-401* Oak or Birch Glazed 2 Lights	*10-G-407* White Pine Glazed Leaded	*10-G-407* White Pine Glazed 1 Light
4 ft. 6 in. wide, up to 1 ft. 6 in. high	$3.14	$3.34	$4.88	$5.17	$18.10	$13.44
4 ft. 8 in. wide, up to 1 ft. 6 in. high	3.26	3.40	4.98	5.29	18.86	13.47
6 ft. 0 in. wide, up to 1 ft. 6 in. high	4.48	4.34	6.14	6.44	22.19	15.73
6 ft. 4 in. wide, up to 1 ft. 6 in. high	5.14	4.58	6.88	7.18	22.94	17.53



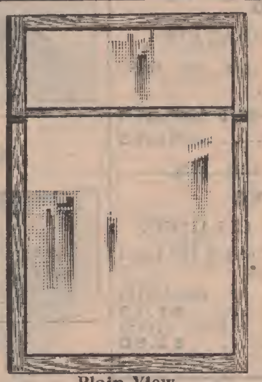
Crystal

Queen Anne

Cottage Windows

Choicest designs in modern cottage windows to match all styles of architecture. Crystal design has leaded glass top light. Aristocrat design has leaded bevel plate glass top light. Plain View and Queen Anne designs are glazed with clear plain glass.

1⅜ inches thick



Plain View

Aristocrat

Glass Size, Bottom Sash, Width, Height	Glass Size, Top Sash, Width, Height	Outside Measure Width, Height	"Crystal" *10-G-66* Price	"Queen Anne" *10-G-648* Price	"Plainview" *10-G-64* Price	"Aristocrat" *10-G-70* Price	Shipping Weight, Pounds
40 in. x 42 in.	40 in. x 14 in.	3 ft. 8 in. x 5 ft. 2 in.	$ 7.84	$5.29	$4.79	$13.81	94
40 in. x 40 in.	40 in. x 16 in.	3 ft. 8 in. x 5 ft. 2 in.	8.02	4.89	4.39	14.62	96
40 in. x 46 in.	40 in. x 14 in.	3 ft. 8 in. x 5 ft. 6 in.	8.18	5.55	5.05	14.06	100
44 in. x 40 in.	44 in. x 16 in.	4 ft. 0 in. x 5 ft. 2 in.	9.30	5.78	5.28	16.57	104
44 in. x 44 in.	44 in. x 16 in.	4 ft. 0 in. x 5 ft. 6 in.	9.45	6.16	5.66	16.95	110
44 in. x 48 in.	44 in. x 16 in.	4 ft. 0 in. x 5 ft. 10 in.	10.17	7.07	6.57	17.85	125

Cottage Windows and Transoms made to order; allow 10 days extra time.

Sheathing Paper and Tarred Felt

A Sized Sheathing Paper for ordinary building purposes, made by special process, faced on both sides, thoroughly rosin-sized, making it damp-proof and vermin proof. 36 inches wide, containing about 500 sq. ft.

	Weight per Roll	Price per Roll
10-G-10.	20 lbs	$ .78
10-G-11.	30 lbs.	1.39
10-G-12.	40 lbs.	1.68

Used for roofing, sheathing and general building purposes. Made of the best grade of wool felt, carefully selected, thoroughly saturated with distilled tar. Warranted to unroll freely without sticking. Approx. wt. 60 lbs. Rolls 32 inches wide.

10-G-13. Heavy grade, 225 Sq. Ft. to roll.
Price per roll.........**$2.25**

10-G-14. Medium grade, 450 Sq. Ft. to roll.
Price per roll.........**$2.40**

Made of the very finest selected grade of wool felt. It is used to deaden sound between floors and walls; used under floors, as it adds to the warmth. Rolls 36 inches wide.

10-G-15. Heavy grade, 450 Sq. Ft. to roll.
Per roll............**$5.78**

10-G-16. Medium grade, 450 Sq. Ft. to roll.
Per roll............**$3.85**

Ideal sheathing paper and also used under metal and slate roofs. It can be used in place of red rosin or any other sheathing paper. Put up in rolls 36 inches wide, each roll containing 500 square feet. Weight, per roll, approximately 35 lbs.

10-G-18.
Price per roll.......**$1.39**

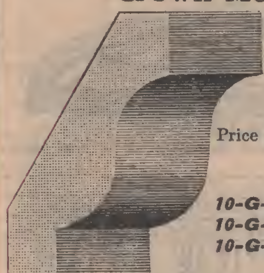
Best grade of Blue Plaster Board manufactured. Strong and tough. Used on clap boards for sheathing and on walls in place of plaster; tacked to the studding and wall paper can be placed over it. Put up in rolls 36 inches wide.

10-G-19. Rolls containing 250 sq. ft., weight 30 lbs.
Price................**$1.75**

10-G-17. Rolls containing 500 sq. ft., weight 60 lbs.
Price................**$3.25**

Clear Fir Outside Mouldings!

Crown Mould



CLEAR FIR

Price per 100 lineal feet.

	Size	Price
10-G-8000	¾x3¼	$2.80
10-G-8006	¾x4¼	3.80
10-G-8008	¾x2¼	2.00

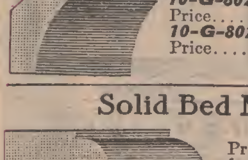
Bed Mould

CLEAR FIR

Price per 100 lineal feet.

10-G-8016 Size ¾x1⅝
Price...........**$1.15**

Sprung Cove



CLEAR FIR

Price per 100 lineal feet.

10-G-8024. Size ¾x1⅝
Price.................**$1.15**

10-G-8029. Size ¾x3¼
Price............ **$2.80**

Solid Bed Mould

CLEAR FIR

Price per 100 lineal feet.

10-G-8036. Size ¾x1⅛
Price.............$1.15

10-G-8037. Size 1⅛x1⅜
Price $2.75

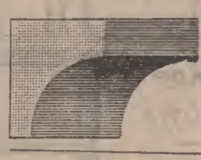
Brick or Stone Mould

CLEAR FIR

Price per 100 lineal feet.

10-G-8038. Size 1⅛x1⅝
Price **$2.75**

Cove Mould



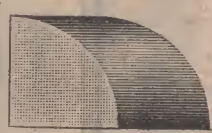
CLEAR FIR

Price per 100 lineal feet.

10-G-8060. Size ¾x¾
Price **$0.60**

10-G-8061. Size ¾x1⅛
Price...............**0.75**

Quarter Round



CLEAR FIR

Price per 100 lineal feet.

10-G-8065. Size ¾x¾
Price.............**$0.60**

Nosing Mould

CLEAR FIR

Price per 100 lineal feet.

10-G-8125. Size 1⅜x2¼ for 1⅜ in. steps. Price ...**$4.10**

Band Moulding

CLEAR FIR

Price per 100 lineal feet.

10-G-8178.	Size 9/16x2 .	Price.....**$1.30**
10-G-8180.	Size ¾x2½.	Price..... **1.60**

O. G. Stops

CLEAR FIR

Price per 100 lineal feet.

10-G-8083.	Size ⅜x1⅛.	Price.....**$0.60**
10-G-8084.	Size ⅜x1⅜.	Price..... **.68**
10-G-8085.	Size ⅜x1⅝.	Price..... **.80**
10-G-8095.	Size ½x1⅝.	Price..... **1.15**
10-G-8096.	Size ½x1⅜.	Price..... **.90**

Lattice Strips

CLEAR FIR

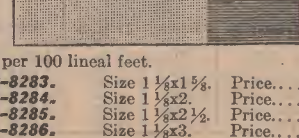
Price per 100 lineal feet.

10-G-8281. Size 5/16x1⅜
Price **$0.68**

10-G-8282. Size 5/16x1⅝
Price **$0.80**

Watertable or Dripcap

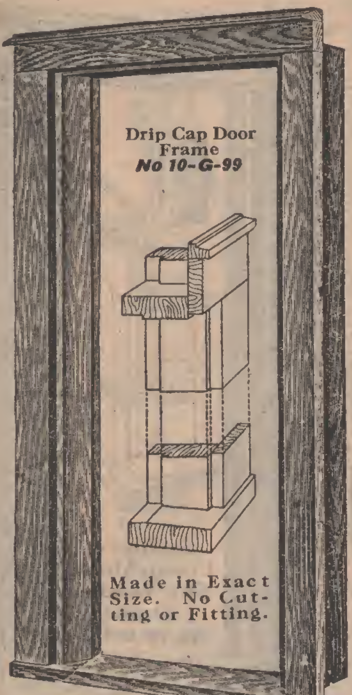
CLEAR FIR

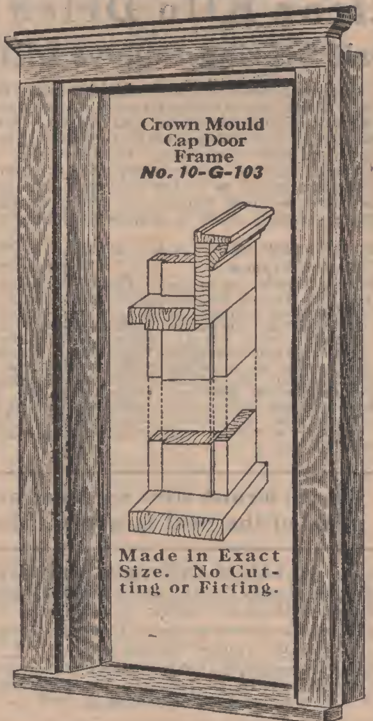


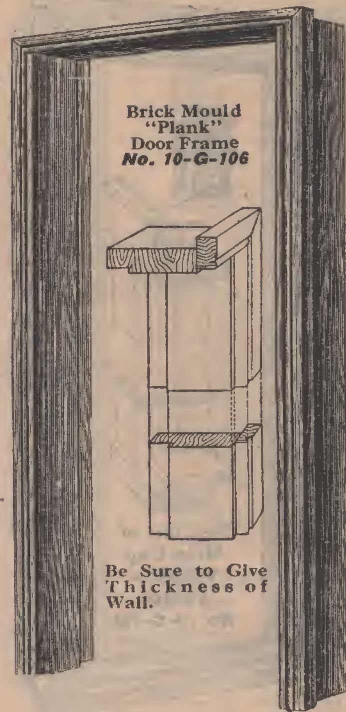
Price per 100 lineal feet.

10-G-8283.	Size 1⅛x1⅝.	Price....**$2.75**
10-G-8284.	Size 1⅛x2.	Price.... **3.05**
10-G-8285.	Size 1⅛x2½.	Price.... **3.70**
10-G-8286.	Size 1⅛x3.	Price.... **4.35**

CLEAR FIR OUTSIDE DOOR FRAMES
AND FRAME MATERIAL







Door frames in stock for immediate delivery made of selected clear kiln dried fir. Shipped taken apart and carefully bundled to avoid damage in delivery. Rabbeted for 1⅜ inch thick doors unless otherwise specified when ordered. Weight each frame, about 65 lbs.

Drip Cap Door Frames

1⅛ Inch Outside Casing

Includes everything complete as shown; 1⅛x1⅝ drip cap; 1⅛x4¼ outside casing; 1⅝x7¼ solid sill; 1⅜x5¼ inches, rabbeted jamb.

No. 10-G-99. Outside door frames for 2x4 studding, with solid clear Fir sills, any size up to and including 3 ft. by 7 ft. rabbeted for doors 1⅜ or 1¾ inches thick.
Price.............................. **$2.89**

No. 10-G-413. Plain drip cap door frame with transom head, not exceeding 2 feet in height.
Price.............................. **$3.69**

Oak sills for any of above frames, $1.00 per frame extra.

Crown Mould Cap Door Frames

1⅛ Inch Outside Casing

This frame has 1⅛x3 inch Drip Cap, 1⅛x5¾ inch head casing, 1⅛x4¼ inch outside casing, 2¼ inch crown moulding, 1⅜x5¼ inch jamb, rabbeted to suit thickness of door, 1⅝x7¼ solid sill.

No. 10-G-103. Crown mold cap outside door frame for frame buildings with 2x4 studding. For door 3 ft. x 7 ft. or smaller.
Price.............................. **$3.35**

No. 10-G-414. Crown mold cap door frame with transom head, not exceeding 2 ft. in height. Price.............. **$4.15**

Oak sills for any of above frames, $1.00 per frame extra.

Cement Block, Stone or Brick Wall Door Frames

This frame has a 1⅛x2-inch clear brick moulding. No sill furnished with this frame.

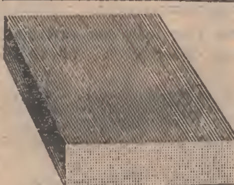
No. 10-G-106-A. For 9-inch Brick Wall 1⅜" x 5½" Jambs.

2 ft. 6 in. x 6 ft. 6 in.	$2.28
2 ft. 8 in. x 6 ft. 8 in.	2.34
3 ft. x 7 ft.	2.42

No. 10-G-106. For 13-inch Brick Wall 1⅜" x 9½" Jambs.

2 ft. 6 in. x 6 ft. 6 in.	$2.91
2 ft. 8 in. x 6 ft. 8 in.	2.97
3 ft. x 7 ft.	3.05

No. 10-G-415. Plank door frame with transom head, not exceeding 2 feet in height.
Add to above prices.............................. **80c**



Outside Casing

10-G-8429½. Price per 100 lineal feet. Size 1⅛x4¼. Clear Fir...... **$5.85**

Blindstop

10-G-8430. Per 100 lineal feet. Clear Fir. Size ¾x1⅜.
Price.............. **$1.30**

Pulley Stile

10-G-8431½. Plowed parting stop for 1⅜ in. windows. Size ¾x4½. Price per 100 lineal feet Clear Fir.. **$4.30**

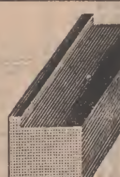
WINDOW FRAME STOCK

Clear Kiln Dried Fir

Many carpenters and home builders sometimes prefer to make their own special frames. To meet this demand, we present a complete line of window frame stock which will enable you to make your own frames at lowest possible cost. See preceding pages for other mouldings.

Parting Stop

10-G-8432. Per 100 lineal feet. Clear Fir. Size, ½x¾.
Price........... **85c**



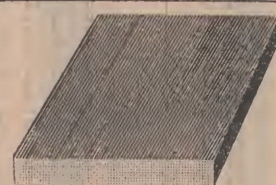
Sill Course

10-G-1672. Size 1⅞x1⅞ inches. Price per 100 lineal feet.
Clear Fir...... **$3.60**

Subsill

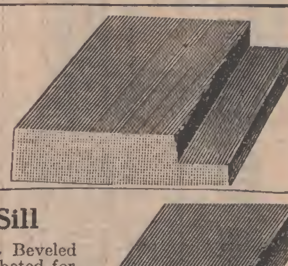
10-G-8440½. Edges beveled. Size ¾x5¼. Per 100 lineal feet. Clear Fir.

$5.00



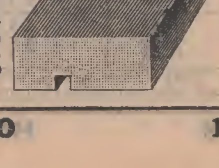
Jamb Stock

No. 10-G-8442. Size 1⅜ in. x 5¼ inch rabbeted, for 1⅜ in. or 1¾ in. doors, clear fir. Per 100 lineal feet. **$9.00**

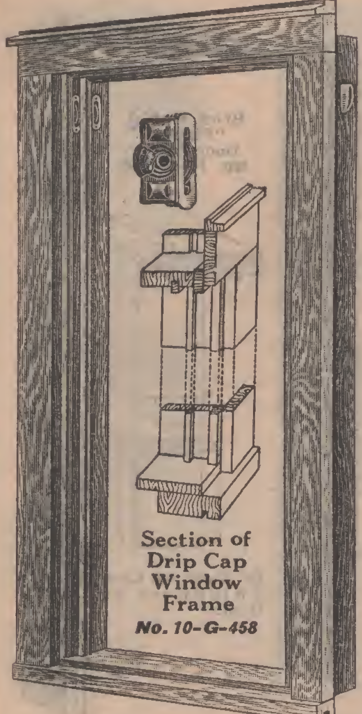


Main Sill

10-G-8439½. Beveled edges and rabbeted for siding. Size 1⅝x3⅝. Sound solid Clear Fir stock. Price per 100 lineal feet......... **$6.65**



Window Frames for Wood Frame Buildings



Section of Drip Cap Window Frame *No. 10-G-458*

Clear Kiln Dried Fir

Ball Bearing Pulleys Included

Our Window Frames are of the highest grade that is manufactured. These frames are for frame buildings, having standard 2x4 studding, siding, sheathing and plaster. All frames are machined, ready to put together, no further cutting or fitting is necessary. All that is necessary after receiving our frames is to nail them together and any carpenter can put any of our frames together in ten or fifteen minutes. Frames are shipped knocked down, securely bundled to avoid damage in transit. We carry a complete stock in all sizes for immediate shipment.

PLAIN DRIP CAP
Window Frames

Illustration at the left shows our Plain Drip Cap Window Frames, which are furnished complete as shown with pulleys. Specifications: Outside casing 1⅛x4¼ inches, pulley stiles and head jambs ¾x5¼ inches over all, including blind stop; plowed for parting stop. Two member sill, main section 1⅝x3⅝ inches, sub-section ¾x5¼ inches, drip cap 1⅛x1⅝ inches. See insert section for construction of frames.

CROWN MOULD CAP
Window Frames

Illustration to the right shows our Crown Mould Cap Window Frames, which are furnished complete as shown, with pulleys. Specifications are the same as our Drip Cap Window Frame to the left, with exception that Head Casing is 5¾ inches wide to allow for crown mould cap. Size of crown moulding is ¾x2¼ inches, size of drip cap 1⅛x3 inches. See insert section for construction of frames.

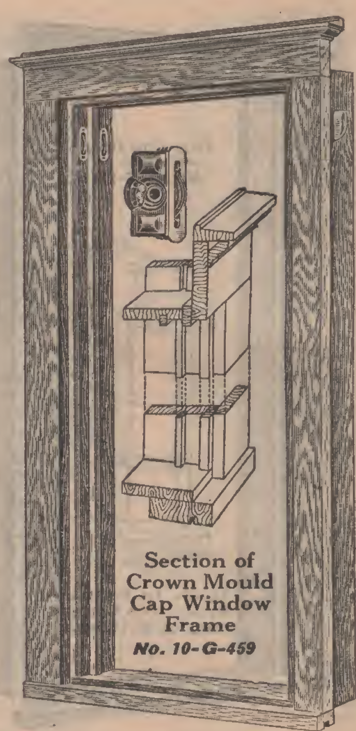
We can furnish sizes not listed at the price of the next larger size shown

MULLION AND TRIPLE FRAMES

Mullion or Double Frames are double the price of regular single frames of the same window opening size.

Triple Frames are three times the price of regular single frames of the same window opening size.

A window frame 28x28 2 lights is considered an average size and weighs approximately 40 pounds. Other frames will weigh more or less in proportion, according to sizes.



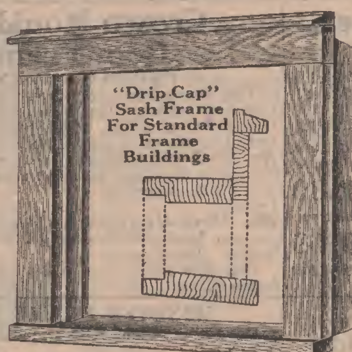
Section of Crown Mould Cap Window Frame *No. 10-G-459*

PRICES OF FRAMES FOR CHECK RAIL WINDOWS FOR WOOD FRAME BUILDINGS

Glass size shown is for 2 light windows. For other style windows see below.		DRIP CAP	CROWN MOULD CAP
Glass Sizes, Prices Cover Frame only	Outside Window Measurement. Inside Opening of Frame ft. in. ft. in.	Frame with 1⅛ inch Casing including Pulleys *10-G-458*	Frame with 1⅛ inch Casing including Pulleys *10-G-459*
12x20	1- 4 x 3-10	$1.58	$1.88
12x24	1- 4 x 4- 6	1.76	2.06
12x30	1- 4 x 5- 6	1.98	2.28
14x20	1- 6 x 3-10	1.63	1.93
14x24	1- 6 x 4- 6	1.81	2.11
14x28	1- 6 x 5- 2	2.00	2.30
16x16	1- 8 x 3- 2	1.54	1.84
16x20	1- 8 x 3-10	1.70	2.00
16x24	1- 8 x 4- 6	1.86	2.16
18x20	1-10 x 3-10	1.75	2.05
18x24	1-10 x 4- 6	1.89	2.19
18x28	1-10 x 5- 2	2.05	2.35
20x20	2- 0 x 3-10	1.78	2.08
20x24	2- 0 x 4- 6	1.94	2.24
20x26	2- 0 x 4-10	2.02	2.32
20x28	2- 0 x 5- 2	2.08	2.38
22x22	2- 2 x 4- 2	1.89	2.19
22x24	2- 2 x 4- 6	1.97	2.27
22x28	2- 2 x 5- 2	2.13	2.43
24x20	2- 4 x 3-10	1.86	2.16
24x24	2- 4 x 4- 6	2.01	2.31
24x26	2- 4 x 4-10	2.10	2.40
24x28	2- 4 x 5- 2	2.16	2.46
24x30	2- 4 x 5- 6	2.24	2.54
26x20	2- 6 x 3-10	1.91	2.21
26x24	2- 6 x 4- 6	2.07	2.37
26x26	2- 6 x 4-10	2.14	2.44
26x28	2- 6 x 5- 2	2.21	2.51
26x30	2- 6 x 5- 6	2.25	2.55
28x24	2- 8 x 4- 6	2.10	2.40
28x26	2- 8 x 4-10	2.18	2.48
28x28	2- 8 x 5- 2	2.26	2.56
28x30	2- 8 x 5- 6	2.34	2.64
30x24	2-10 x 4- 6	2.15	2.45
30x28	2-10 x 5- 2	2.29	2.59
30x30	2-10 x 5- 6	2.37	2.67
30x32	2-10 x 5-10	2.47	2.77
30x36	2-10 x 6- 6	2.61	2.91
32x24	3- 0 x 4- 6	2.18	2.48
32x28	3- 0 x 5- 2	2.34	2.64
32x30	3- 0 x 5- 6	2.42	2.72
32x32	3- 0 x 5-10	2.50	2.80
36x30	3- 4 x 5- 6	2.51	2.81
40x32	3- 8 x 5-10	2.66	2.96
44x32	4- 0 x 5-10	2.74	3.04

Note—These Frames for 4, 8 and 12 light windows, and special sizes of all kinds furnished at the price of the next larger size opening shown above.

SASH FRAMES FOR FRAME BUILDINGS



"Drip Cap" Sash Frame For Standard Frame Buildings

Frame 10-G-476

For Stationary or "Swing-in" Sash

Any size Sash Opening up to and including		DRIP CAP FRAME *10-G-476*
WIDTH	HEIGHT	PRICE EACH
2 ft. 5 in.	x 2 ft. 1 in.	$2.23
2 ft. 10 in.	x 2 ft. 11 in.	2.65
3 ft. 4 in.	x 2 ft. 11 in.	2.85
3 ft. 8 in.	x 2 ft. 11 in.	2.97
3 ft. 8 in.	x 4 ft. 0 in.	3.20

For Crown Cap add 30c extra per Frame and order by No. *10-G-477*

Frame 10-G-476, made from Clear Fir; with 1⅛x4¼ inches Outside Casing; 1⅛x1⅝ inches Drip Cap; 1⅜x5¼ inches Jambs and 1⅝x7½ inches Sill. Rabbeted for 1⅜ inches Sash, unless otherwise specified when ordered. Machined ready to nail together.

Plank Basement or Cellar Sash Frames

FOR BRICK OR CONCRETE WALLS

For Stationary or Swing-in Sash

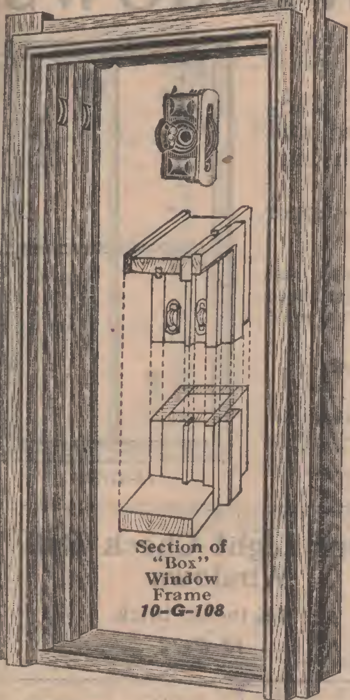
Any size Sash opening up to and including		SASH FRAME *10-G-107*
WIDTH	HEIGHT	PRICE EACH
2 ft. 10 in.	x 1 ft. 9 in.	$1.45
2 ft. 10 in.	x 2 ft. 11 in.	1.71
3 ft. 4 in.	x 2 ft. 11 in.	1.84
3 ft. 8 in.	x 2 ft. 11 in.	1.96
8 ft. 8 in.	x 4 ft. 0 in.	2.21

"Plank" Sash Frame for Brick, Stone or Concrete Wall

Frame 10-G-107, made from Clear Fir; with 1⅜x5¼ inches Jambs and Sills; 1⅛x2 inches Brick Moulding. Rabbeted for 1⅛ inches Sash, unless otherwise specified when ordered. Machined, ready to nail together. Special: This frame for 10x16-3 lt. Cellar Sash 2 ft. 10 inches x 1 ft. 9 inches—1⅛ inches always in stock for immediate shipment.

CLEAR FIR WINDOW FRAMES

BALL BEARING PULLEYS INCLUDED



Section of "Box" Window Frame *10-G-108*

Box Window Frame No. *10-G-108*

Window Frames for Solid Brick, Stone or Cement Block Buildings

are illustrated at the left. These frames are known as box Window Frames, made for a regular 9 inch wall, but can be used for 13 inch wall by using an extension jamb. Specifications: This frame has 1⅛x2 inch brick mould, 1⅝x4⅛ inch head, ¾x1⅝ inch head inside lining and 1⅝x5¾ inch main sill, ¾x5 inch blind stop, ¾x4⅛ inch pulley stile, ½x¾ inch parting stop, ¾x3⅞ inch rabbeted box lining ¾x4⅛ inch back box lining. All exposed lumber will be clear face stock, carefully selected and thoroughly seasoned. The box linings are made from good, sound lumber.

We will rabbet frames for extension jambs at the same price if so specified when frames are ordered. When ordering Box Window Frames always give the thickness of wall. Prices on extension jambs quoted on receipt of specifications.

Window Frames for Brick Veneer Buildings

are illustrated at right. This frame is used for walls of 2x4 studding, veneered with a layer of brick, and they are made in the same manner as the frame for a brick or stone wall, with the exception that the box linings are omitted, not being required. All exposed lumber is clear face stock.

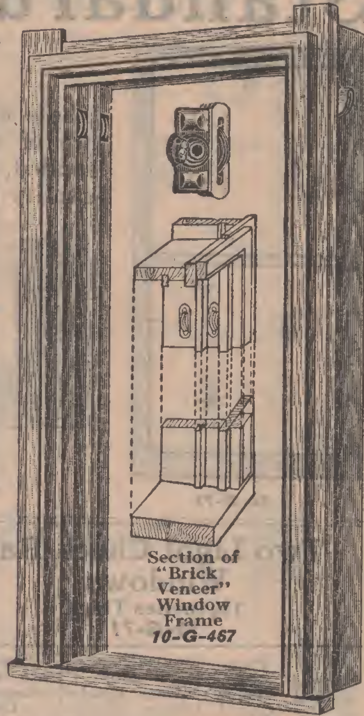
Specifications: Blind stop, ¾x4½ inch; pulley stile, ¾x5⅛ inch, making width of jamb 5⅞ inch, including blind stop. Brick mould, 1⅛x2 inch, parting stop ½x¾ inch. Sills made from 2x8 stock.

All our frames are made in exact sizes. Every piece is cut to fit, ready to put together, easily assembled. We ship them knocked down to avoid damage in transit.

Remember when consulting the table below that intermediate sizes are furnished at the price of the next larger size. When ordering, give size of window and frame will be made to fit.

If box Frames are wanted for brick arch, be sure to specify and allow 15c net extra for each frame.

A box window frame 28x28, 2 lights, is considered an average size and weighs approximately 48 pounds. Other frames will weigh more or less in proportion, according to sizes.



Section of "Brick Veneer" Window Frame *10-G-467*

Brick Veneer Frame No. *10-G-467*

Prices of Box Window Frames
Order by Size and Number—Prices Include Pulleys

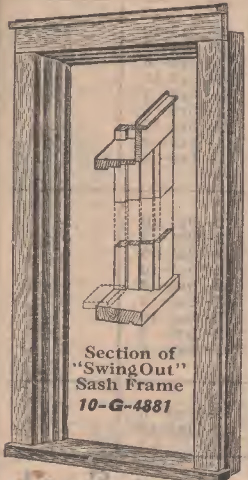
Width	Height	Price Each Frame *10-G-108*
2 feet 2 inch	4 feet 6 inch or smaller	$3.60
2 feet 6 inch	5 feet 2 inch or smaller	4.05
2 feet 8 inch	5 feet 10 inch or smaller	4.90
3 feet 4 inch	5 feet 2 inch or smaller	4.40
4 feet	5 feet 10 inch or smaller	5.38
4 feet 4 inch	6 feet 6 inch or smaller	6.20

Prices of Brick Veneer Frames
Always Give Width First—Prices Include Pulleys

Width	Height	Price Each Frame *10-G-467*
2 feet 2 inch	4 feet 6 inch or smaller	$2.86
2 feet 6 inch	5 feet 2 inch or smaller	3.31
2 feet 8 inch	5 feet 10 inch or smaller	3.69
3 feet 4 inch	5 feet 2 inch or smaller	3.77
4 feet	5 feet 10 inch or smaller	4.11
4 feet 4 inch	6 feet 6 inch or smaller	4.35

"Swing In" and "Swing Out"

French Window or Casement Sash Frames Clear Kiln Dried Fir



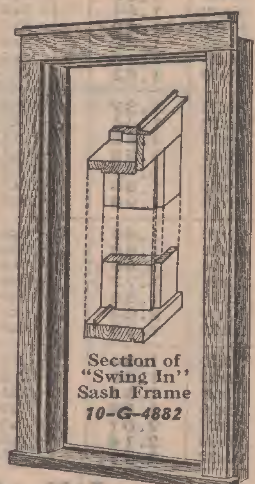
Section of "Swing Out" Sash Frame *10-G-4881*

Sash Frame No. *10-G-4881*

These frames, like all of our frames, are manufactured from Clear Fir and are machined so that each piece fits perfectly. Frame No. 4881 illustrated to the left, and Frames No. 4891 and 4901 are used when sash are hinged so that they are to swing out. You will note from the illustration that jambs are specially rabbeted so that a weathertight job results. Frame No. 4882, illustrated to the right, and Frames No. 4892 and 4902, are used when sash are hinged so they will swing in. A special stop strip is used in the sill of these frames and sash should be rabbeted to accommodate this stop. This method of construction is the most practical for this style of frame.

The jambs on all frames are 1½ x 5¼ inches. Frames No. 4881, 4891, 4882 and 4892 have 1⅛ x 4¼ inches outside casing and 1⅝ x 7¼ inches sill. Head casing and drip cap are constructed to match Frames No. 458 and 459 respectively, illustrated on preceding page. Frames No. 4901 and 4902 have 1⅝ x 5¼ inch sill and 1⅛ x 2 inch brick mould.

All our frames are made to exact size. Every piece is cut to fit, ready to put together, easily assembled. We ship them knocked down to avoid damage in transit.



Section of "Swing In" Sash Frame *10-G-4882*

Sash Frame No. *10-G-4882*

MULLIONS

Mullion or double frames are double the price of single frames; triple frames are three times the price of single frames; quadruple and quintuple frames are four and five times the price of single frames, respectively.

For Any Size Sash Opening up to and Including Width Ft. In. x Height Ft. In.	*10-G-4881* "Swing Out" Sash Frame Drip Cap 1⅛-inch Casing	*10-G-4891* "Swing Out" Sash Frame Crown Mould 1⅛-inch Casing	*10-G-4901* "Swing Out" Sash Frame Brick Mould for 9-inch Wall
2–10 x 2–10	$3.71	$4.01	$2.87
2– 8 x 4– 6	4.56	4.86	3.58
3– 0 x 5– 2	5.29	5.59	4.07
3– 8 x 5– 6	5.56	5.86	4.37

For Any Size Sash Opening up to and Including Width Ft. In. x Height Ft. In.	*10-G-4882* "Swing In" Sash Frame Drip Cap 1⅛-inch Casing	*10-G-4892* "Swing In" Sash Frame Crown Mould 1⅛-inch Casing	*10-G-4902* "Swing In" Sash Frame Brick Mould for 9-inch Wall
2–10 x 2–10	$3.13	$3.43	$2.43
2– 8 x 4– 6	3.98	4.28	2.96
3– 0 x 5– 2	4.59	4.89	3.28
3– 8 x 5– 6	4.84	5.14	3.65

We will rabbet frames No. 4901 and No. 4902 for extension jambs at the same price if so specified when frames are ordered. When ordering frames always give thickness of walls. Prices on extension jambs quoted on receipt of specifications.

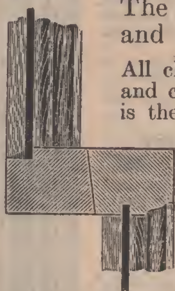
Standard Check Rail Windows

10-G-71

Clear White Pine

1⅜ Inches Thick

These windows are manufactured in our own shops. They are of clear white pine, kiln dried, mortised, pinned and sanded, glass extra strong tacked, and puttied with high quality putty.



The term "window" means two sash — upper and lower.

All check rail windows are plowed and bored for sash cord and can be used either with or without weights. The check is the beveled rail where the two sash come together, as is illustrated in cross section cut shown at left.

When ordering be sure to give width first.

Price includes both top and bottom sash.

Weight—A window 28x28 2 lights check rail 1⅜ inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.

Special Windows and Sash of all kinds made to order at lowest possible prices

10-G-72

Two Light Check Rail Windows

1⅜ inches Thick

10-G-71

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size of Sash Weights Required Lbs.
12x16	**$0.98**	1- 4x3- 2	3
12x20	**1.16**	1- 4x3-10	3
12x24	**1.32**	1- 4x4- 6	3½
12x26	**1.38**	1- 4x4-10	3½
14x20	**1.24**	1- 6x3-10	3
14x24	**1.41**	1- 6x4-16	3½
14x26	**1.46**	1- 6x4- 0	3½
14x28	**1.65**	1- 6x5- 2	4
14x30	**1.73**	1- 6x5- 6	4½
16x16	**1.22**	1- 8x3- 2	3
16x18	**1.28**	1- 8x3- 6	3
16x20	**1.35**	1- 8x3-10	3
16x22	**1.44**	1- 8x4- 2	3½
16x24	**1.49**	1- 8x4- 6	3½
16x26	**1.68**	1- 8x4-10	4
16x28	**1.76**	1- 8x5- 2	4
16x30	**1.83**	1- 8x5- 6	4½
18x18	**1.37**	1-10x3- 6	3½
18x20	**1.44**	1-10x3-10	3½
18x22	**1.62**	1-10x4- 2	3½
18x24	**1.68**	1-10x4- 6	4
18x26	**1.77**	1-10x4-10	4½
18x28	**1.85**	1-10x5- 2	4½
18x30	**1.98**	1-10x5- 6	5
20x20	**1.49**	2- 0x3-10	4
20x22	**1.68**	2- 0x4- 2	4
20x24	**1.69**	2- 0x4- 6	4½
20x26	**1.77**	2- 0x4-10	5
20x28	**1.85**	2- 0x5- 2	5½
20x30	**2.03**	2- 0x5- 6	5½
20x32	**2.25**	2- 0x5-10	6
22x20	**1.64**	2- 2x3-10	4
22x22	**1.80**	2- 2x4- 2	4½
22x24	**1.81**	2- 2x4- 6	5
22x26	**1.89**	2- 2x4-10	5
22x28	**2.01**	2- 2x5- 2	5½
22x30	**2.16**	2- 2x5- 6	5½
22x32	**2.39**	2- 2x5-10	6

10-G-71—Continued

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size of Sash Weights Required Lbs.
24x16	**$1.40**	2- 4x3- 2	3½
24x18	**1.58**	2- 4x3- 6	4
24x20	**1.64**	2- 4x3-10	4½
24x22	**1.80**	2- 4x4- 2	5
24x24	**1.86**	2- 4x4- 6	5
24x26	**1.89**	2- 4x4-10	5½
24x28	**2.00**	2- 4x5- 2	6
24x30	**2.16**	2- 4x5- 6	6½
24x32	**2.48**	2- 4x5-10	6½
24x36	**2.72**	2- 4x6- 6	7
26x16	**1.68**	2- 6x3- 2	4
26x20	**1.77**	2- 6x3-10	5
26x22	**1.92**	2- 6x4- 2	5
26x24	**1.93**	2- 6x4- 6	5½
26x26	**2.01**	2- 6x4-10	6
26x28	**2.21**	2- 6x5- 2	6
26x30	**2.39**	2- 6x5- 6	6½
26x32	**2.63**	2- 6x5-10	7
28x24	**2.10**	2- 8x4- 6	6
28x26	**2.22**	2- 8x4-10	6
28x28	**2.33**	2- 8x5- 2	6½
28x30	**2.39**	2- 8x5- 6	7
28x32	**2.88**	2- 8x5-10	7½
28x36	**3.24**	2- 8x6- 6	8
30x24	**2.16**	2-10x4- 6	6½
30x26	**2.39**	2-10x4-10	6½
30x28	**2.42**	2-10x5- 2	7
30x30	**2.72**	2-10x5- 6	7½
30x32	**2.99**	2-10x5-10	8
30x34	**3.24**	2-10x6- 2	8½
30x36	**3.27**	2-10x6- 6	9
32x24	**2.54**	3- 0x4- 6	6½
32x26	**2.57**	3- 0x4-10	7
32x28	**2.88**	3- 0x5- 2	7½
32x30	**2.99**	3- 0x5- 6	8
32x32	**3.24**	3- 0x5-10	8
36x24	**2.64**	3- 4x4- 6	7
36x26	**2.97**	3- 4x4-10	8
36x28	**3.18**	3- 4x5- 2	8
36x30	**3.27**	3- 4x5- 6	9
40x28	**3.55**	3- 8x5- 2	9

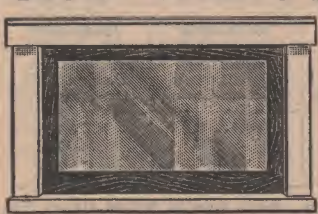
Four Light Check Rail Windows

1⅜ inches thick

10-G-72

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size of Sash Weights Required Lbs.
10x20	**$1.65**	2- 1x3-10	4
10x22	**1.73**	2- 1x4- 2	4
10x24	**1.74**	2- 1x4- 6	4½
10x26	**1.94**	2- 1x4-10	4½
10x28	**1.95**	2- 1x5- 2	5
10x30	**2.33**	2- 1x5- 6	5½
10x32	**2.57**	2- 1x5-10	5½
12x20	**1.75**	2- 5x3-10	4½
12x22	**1.85**	2- 5x4- 2	5
12x24	**1.86**	2- 5x4- 6	5
12x26	**1.97**	2- 5x4-10	5½
12x28	**2.04**	2- 5x5- 2	5½
12x30	**2.42**	2- 5x5- 6	6
12x32	**2.67**	2- 5x5-10	6
12x34	**2.78**	2- 5x6- 2	6½
12x36	**2.90**	2- 5x6- 6	7
14x20	**1.95**	2- 9x3-10	5
14x22	**2.12**	2- 9x4- 2	5½
14x24	**2.13**	2- 9x4- 6	6
14x26	**2.21**	2- 9x4-10	6
14x28	**2.46**	2- 9x5- 2	6⅓
14x30	**2.65**	2- 9x5- 6	7
14x32	**2.82**	2- 9x5-10	7½
14x34	**3.09**	2- 9x6- 2	7½
14x36	**3.24**	2- 9x6- 6	8
15x30	**2.90**	2-11x5- 6	7½
15x32	**3.09**	2-11x5-10	8

Clear White Pine Hall, Closet or Stair Landing Sash



10-G-1411

Made in First Class Manner of Clear White Pine

The side stiles and top rail are 2 in. wide while the bottom rail is 3 in. wide. First quality material and manufacture. Glazed with clear glass, strongly tacked and puttied. Exceptional values.

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	Price ***10-G-1411*** 1 Light Glazed	Price ***10-G-1413*** 5 Light Glazed
30x14	1⅜	2-10x1- 7	**$0.90**	**$1.40**
30x16	1⅜	2-10x1- 9	**.95**	**1.45**
30x18	1⅜	2-10x1-11	**1.02**	**1.52**
32x16	1⅜	3- 0x1- 9	**1.07**	**1.57**
36x16	1⅜	3- 4x1- 9	**1.10**	**1.60**
36x18	1⅜	3- 4x1-11	**1.19**	**1.69**
40x18	1⅜	3- 8x1-11	**1.52**	**2.02**

10-G-1413

Standard CHECK RAIL 1⅜ INCH THICK CLEAR WHITE PINE Windows

10-G-74

Our Check Rail Windows are plowed and bored for sash cord and can be used with or without weights. The Check Rail feature where the two sash come together, prevents rattling and makes the windows stormproof. See illustration on preceding page.

Eight Light CHECK RAIL Windows

1⅜ Inch Thick

10-G-74

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.	Size of Sash Weight Required
8x10	1⅜	$1.43	1- 9x3-10	3½ lbs.
8x12	1⅜	1.56	1- 9x4- 6	3½ lbs.
9x12	1⅜	1.64	1-11x4- 6	4½ lbs.
9x14	1⅜	1.77	1-11x5- 2	4½ lbs.
10x12	1⅜	1.73	2- 1x4- 6	4½ lbs.
10x14	1⅜	1.86	2- 1x5- 2	5 lbs.
10x16	1⅜	2.18	2- 1x5-10	5½ lbs.
12x14	1⅜	2.06	2- 5x5- 2	5½ lbs.
12x16	1⅜	2.39	2- 5x5-10	6 lbs.
12x18	1⅜	2.60	2- 5x6- 6	6½ lbs.
14x16	1⅜	2.61	2- 9x5-10	7 lbs.

Twelve Light CHECK RAIL Windows

1⅜ Inch Thick

10-G-76

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.	Size of Sash Weight Required
8x10	1⅜	$1.70	2- 4½x3-10	4½ lbs.
8x12	1⅜	1.79	2- 4½x4- 6	5 lbs.
9x12	1⅜	2.01	2- 7½x4- 6	5½ lbs.
9x14	1⅜	2.27	2- 7½x5- 2	6 lbs.
10x12	1⅜	2.09	2-10½x4- 6	5½ lbs.
10x14	1⅜	2.31	2-10½x5- 2	6½ lbs.
12x14	1⅜	2.90	3- 4½x5- 2	8 lbs.
12x16	1⅜	3.29	3- 4½x5-10	9 lbs.

Windows not listed and special sizes of all kinds made to order at lowest possible prices.

10-G-76

Regular Plain Rail Windows

CLEAR WHITE PINE

1⅛ Inch Thick

The Plain Rail Windows listed below are made of stock 1⅛ inches thick and are usually held in place by spring bolts on one or both sides of each sash. A window of this kind is rarely put in a first class residence, but for the cheaper houses and to be used in barns, sheds and shops, the plain rail window is all right and can be recommended. The same high-grade stock is used as in our check rail windows. On Plain Rail windows the top sash is usually stationary.

When ordering, be sure to give width first.

Prices for all windows on this page include top and bottom sash with glass puttied in.

A window 10x12, 12 lights, is considered an average size and weighs 25 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.

Cut of "Check Rail" Shown on Preceding Page.

Plain Rail

Bar Sash Lifts

Electro plated, wrought steel. Length of handle, 3 inches. Length over all, 4 in.

4-G-3559. Lemon Brass. Each........**6c**

4-G-3559½. Sand Finish........**10c**

4-G-3557. Antique Copper. Each........**6c**

4-G-3557½. N. P........**10c**

Steel Sash Locks

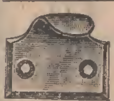
Electro plated. The strongest and most durable sash lock made. Holds sash closely together; prevents rattling. Screws furnished.

4-G-3601. Antique Copper and Old or Lemon Brass. Each........**7c**

4-G-3602. N. P........**10c**

4-G-3603½. Sand Finish........**10c**

Hook Sash Lifts



Splendid quality, heavy and high grade. Finely finished and made with bevel edges. Size, 1½ inches. Screws to match.

GENUINE WROUGHT BRONZE METAL

4-G-3523. Antique Copper. Polished. Each........**8c**

4-G-3526. Lemon Brass Finish. Each........**8c**

ELECTRO BRONZE PLATED WROUGHT STEEL

4-G-3527. Antique Copper. Polished. Each........**3c**

4-G-3527½. N. P........**5c**

4-G-3529. Lemon Brass Finish. Each........**3c**

4-G-3529½. Sand Finish........**5c**

Plain Rail Windows

Eight lights. 4 lights above—4 lights below.

10-G-75

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅛	$1.36	1- 8½x3-10
10x12	1⅛	1.64	2- 0½x4- 6
10x14	1⅛	1.77	2- 0½x5- 2
12x14	1⅛	1.96	2- 4½x5- 2

Twelve lights. 6 lights above—6 lights below.

10-G-77

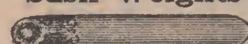
Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
7x 9	1⅛	$1.60	2- 1x3- 6
8x10	1⅛	1.61	2- 4x3-10
8x12	1⅛	1.69	2- 4x4- 6
8x14	1⅛	2.16	2- 4x5- 2
9x12	1⅛	1.91	2- 7x4- 6
10x12	1⅛	1.99	2-10x4- 6
10x14	1⅛	2.19	2-10x5- 2
10x16	1⅛	2.68	2-10x5-10
12x14	1⅛	2.75	3- 4x5- 2
12x16	1⅛	3.13	3- 4x5-10

Sash Cord

Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 feet.

10-G-3645. No. 7, 7/32 inch diam. Per bundle........**$1.10**

Sash Weights



10-G-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds, graduated by pounds.

Per pound........**2¾c**

Ball Bearing Steel Sash Pulley

10-G-3649. Electrically welded and cannot break. Requires no screws. Simply bore three holes and drive the pulley in. Note ball bearings and teeth to hold pulley in place. Diameter of wheel, 2 inches

Per dozen........**59c**

White Pine Hall, Closet or Stair Landing Sash

The side stiles and top rail are 2 inches wide while the bottom rail is 3 inches wide. Made of Clear White Pine.

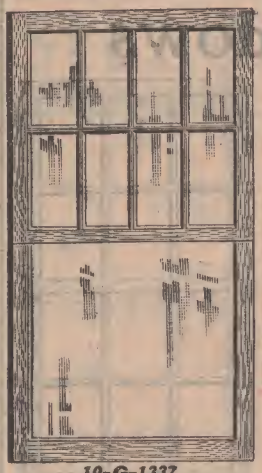
First quality material and manufacture. Glazed with clear glass, and puttied with best quality putty. Exceptional values.

10-G-1412

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	*10-G-1412* Price 8 Light Glazed	*10-G-1414* Price Glazed Leaded
30x14	1⅜	2-10x1- 7	$1.70	$2.99
30x16	1⅜	2-10x1- 9	1.75	3.38
30x18	1⅜	2-10x1-11	1.82	3.65
32x16	1⅜	3- 0x1- 9	1.87	3.60
36x16	1⅜	3- 4x1- 9	1.90	4.03
36x18	1⅜	3- 4x1-11	1.99	4.48
40x18	1⅜	3- 8x1-11	2.32	4.98

10-G-1414

Divided-Light Windows

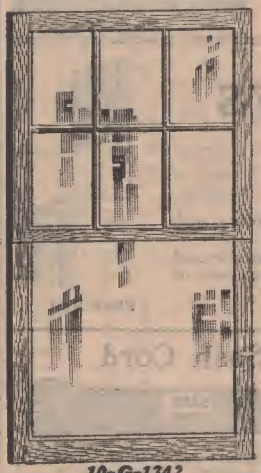


10-G-1337

Fancy Cut-up Top Sash

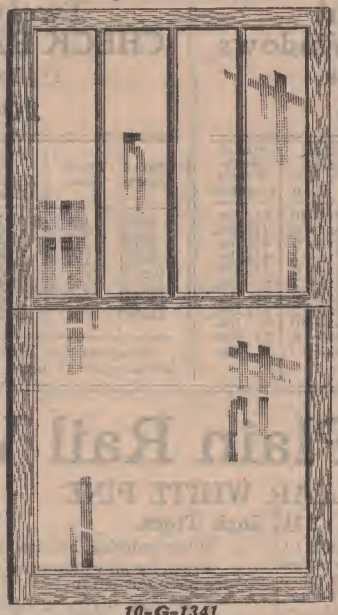
Price table below includes window complete as illustrated, TOP SASH, AND BOTTOM SASH, glazed with clear glass.

CHECKRAIL
1⅜" THICK



10-G-1342

1⅜" Thick

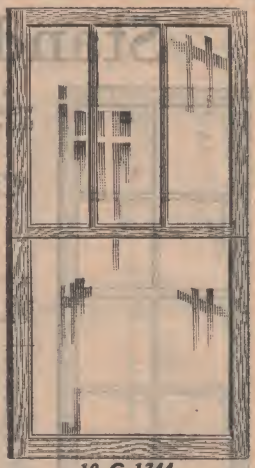


10-G-1341

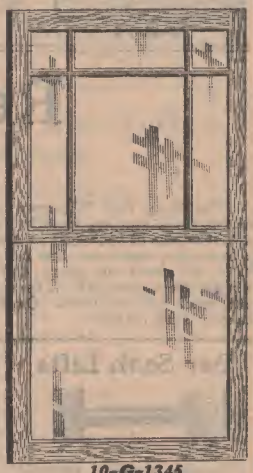
Divided by Wood Bars

Glazed with clear glass, high grade putty, and zinc rust-proof points.

CHECKRAIL
1⅜" THICK



10-G-1344



10-G-1345

CLEAR WHITE PINE

These are the best known and most popular designs in fancy cut up top sash. Wood bars are used to divide the lights and the work is done by hand, each piece being carefully mortised in, pinned and smoothly sanded. Every light of glass is well tacked and puttied to hold its place.

A WORD ABOUT SIZES—Having our own sash factory right here at our main plant we can furnish any size at proportionately low prices.

WEIGHTS: A window 28x28 2 lights check rail 1⅜ inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes. For size of sash weights required, see 2 light Check Rail windows on preceding pages.

Size of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-G-1337 Price per Window Glazed	10-G-1341 Price per Window Glazed	10-G-1342 Price per Window Glazed	Size of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-G-1344 Price per Window Glazed	10-G-1345 Price per Window Glazed
16x20	1– 8x3–10	For these six sizes we would suggest 10-G-1342	For these six sizes we would suggest 10-G-1344	$1.95	16x20	1– 8x3–10	$1.65	$2.05
16x24	1– 8x4– 6			2.09	16x24	1– 8x4– 6	1.79	2.19
16x26	1– 8x4–10			2.28	16x26	1– 8x4–10	1.98	2.38
16x28	1– 8x5– 2			2.36	16x28	1– 8x5– 2	2.06	2.46
18x20	1–10x3–10			2.04	18x20	1–10x3–10	1.74	2.14
18x28	1–10x5– 2			2.45	18x28	1–10x5– 2	2.15	2.55
20x20	2– 0x3–10	2.29	1.89	2.09	20x20	2– 0x3–10	1.79	2.19
20x24	2– 0x4– 6	2.49	2.09	2.29	20x24	2– 0x4– 6	1.99	2.39
20x26	2– 0x4–10	2.57	2.17	2.37	20x26	2– 0x4–10	2.07	2.47
20x28	2– 0x5– 2	2.65	2.25	2.45	20x28	2– 0x5– 2	2.15	2.55
22x24	2– 2x4– 6	2.61	2.21	2.41	22x24	2– 2x4– 6	2.11	2.51
22x26	2– 2x4–10	2.69	2.29	2.49	22x26	2– 2x4–10	2.19	2.59
22x28	2– 2x5– 2	2.81	2.41	2.61	22x28	2– 2x5– 2	2.31	2.71
22x30	2– 2x5– 6	2.96	2.56	2.76	22x30	2– 2x5– 6	2.46	2.86
24x20	2– 4x3–10	2.44	2.04	2.24	24x20	2– 4x3–10	1.94	2.34
24x22	2– 4x4– 2	2.60	2.20	2.40	24x22	2– 4x4– 2	2.10	2.50
24x24	2– 4x4– 6	2.66	2.26	2.46	24x24	2– 4x4– 6	2.16	2.56
24x26	2– 4x4–10	2.69	2.29	2.49	24x26	2– 4x4–10	2.19	2.59
24x28	2– 4x5– 2	2.80	2.40	2.60	24x28	2– 4x5– 2	2.30	2.70
24x30	2– 4x5– 6	2.96	2.56	2.76	24x30	2– 4x5– 6	2.46	2.86
26x20	2– 6x3–10	2.57	2.17	2.37	26x20	2– 6x3–10	2.07	2.47
26x22	2– 6x4– 2	2.72	2.32	2.52	26x22	2– 6x4– 2	2.22	2.62
26x24	2– 6x4– 6	2.73	2.33	2.53	26x24	2– 6x4– 6	2.23	2.63
26x26	2– 6x4–10	2.81	2.41	2.61	26x26	2– 6x4–10	2.31	2.71
26x28	2– 6x5– 2	3.01	2.61	2.81	26x28	2– 6x5– 2	2.51	2.91
26x30	2– 6x5– 6	3.19	2.79	2.99	26x30	2– 6x5– 6	2.69	3.09
28x24	2– 8x4– 6	2.90	2.50	2.70	28x24	2– 8x4– 6	2.40	2.80
28x26	2– 8x4–10	3.02	2.62	2.82	28x26	2– 8x4–10	2.52	2.92
28x28	2– 8x5– 2	3.13	2.73	2.93	28x28	2– 8x5– 2	2.63	3.03
28x30	2– 8x5– 6	3.19	2.79	2.99	28x30	2– 8x5– 6	2.69	3.09
28x32	2– 8x5–10	3.68	3.28	3.48	28x32	2– 8x5–10	3.18	3.58
30x24	2–10x4– 6	2.96	2.56	2.76	30x24	2–10x4– 6	2.46	2.86
30x26	2–10x4–10	3.19	2.79	2.99	30x26	2–10x4–10	2.69	3.09
30x28	2–10x5– 2	3.22	2.82	3.02	30x28	2–10x5– 2	2.72	3.12
30x30	2–10x5– 6	3.52	3.12	3.32	30x30	2–10x5– 6	3.02	3.42
30x32	2–10x5–10	3.79	3.39	3.59	30x32	2–10x5–10	3.29	3.69
32x24	3– 0x4– 6	3.34	2.94	3.14	32x24	3– 0x4– 6	2.84	3.24
32x28	3– 0x5– 2	3.68	3.28	3.48	32x28	3– 0x5– 2	3.18	3.58
32x30	3– 0x5– 6	3.79	3.39	3.59	32x30	3– 0x5– 6	3.29	3.69
36x28	3– 4x5– 2	3.98	3.58	3.78	36x28	3– 4x5– 2	3.48	3.88
36x30	3– 4x5– 6	4.07	3.67	3.87	36x30	3– 4x5– 6	3.57	3.97

Cellar Sash, Attic Sash, Dormer Sash,

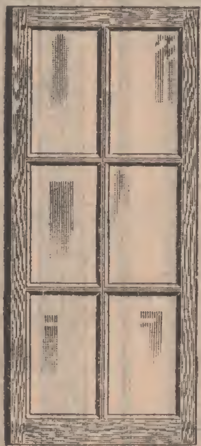
ALWAYS GIVE WIDTH FIRST
Then HEIGHT and THICKNESS

Barn Sash and Transoms

ALL SASH AND WINDOWS ARE GLAZED

ALWAYS GIVE WIDTH FIRST
Then HEIGHT and THICKNESS

These Sash are made in every respect just the same as our highest class Windows —Clear White Pine Lumber, standard width, thickness and manufacture, glass strongly tacked with zinc points and glass carefully puttied in.



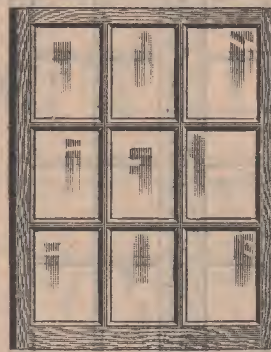
Single Dormer or Gable Casement Sash
Above *10-G-330* 1⅜ Inches Thick

Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	1- 8⅜x2-11½	$1.22
9x12	1-10⅜x3- 5½	1.41
10x14	2- 0⅜x3-11½	1.62

Dormer or Gable French Window
Above *10-G-331* 1⅜ Inches Thick

Outside measure ft. in. ft. in.	Price per Window, consisting of two Sash
2- 8x2- 6	$2.40
2-10x2-10	2.58

Windows are rabbeted in center insuring a tight joint when window is closed.



Iowa Barn Sash
Above *10-G-332* 1⅜ Inches Thick

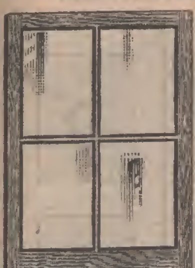
Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	2- 4x2-11	$1.59
9x12	2- 7x3- 5	1.67
10x12	2-10x3- 5	1.84

Single Sash

Clear White Pine

No. 10-G-84
One Light, 1⅜ Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
16x20	$0.68	1- 8x2- 1
18x20	.73	1-10x2- 1
20x20	.76	2- 0x2- 1
20x24	.88	2- 0x2- 5
24x24	.99	2- 4x2- 5
24x28	1.07	2- 4x2- 9
24x30	1.15	2- 4x2-11



Barn Sash

No. 10-G-86

Clear White Pine

Four Lights, 1⅛ Inch Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	$0.75	1- 8x2- 1
9x12	.84	1-10x2- 5
9x14	.90	1-10x2- 9
10x12	.87	2- 0x2- 5
10x14	.93	2- 0x2- 9
10x16	1.09	2--0x3- 1
12x14	1.19	2- 4x2- 9
12x16	1.27	2- 4x3- 1

Barn Sash

Clear White Pine

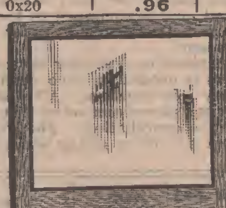
No. 10-G-87
6 Lights,
1⅛ Inch Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	$0.84	2- 4x2- 1
9x12	1.01	2- 7x2- 5
10x12	1.02	2-10x2- 5
10x14	1.23	2-10x2- 9
10x16	1.44	2-10x3- 1
12x14	1.68	3- 4x2- 9
12x16	1.80	3- 4x3- 1

Single Sash and Door Transoms

No. 10-G-80 **Transom Sash,**
Clear White Pine
1 Light 1⅜ Inches Thick

Outside measure Width Height ft. in. x inches	Price, Glazed	Size of Glass Inches
2- 6x10	$0.56	26x 6
2- 6x12	.62	26x 8
2- 6x14	.63	26x10
2- 6x16	.68	26x12
2- 8x10	.57	28x 6
2- 8x12	.63	28x 8
2- 8x14	.65	28x10
2- 8x16	.71	28x12
2- 8x18	.81	28x14
2- 8x20	.87	28x16
2-10x12	.66	30x 8
2-10x14	.68	30x10
2-10x16	.78	30x12
2-10x18	.84	30x14
2-10x20	.90	30x16
3- 0x12	.72	32x 8
3- 0x14	.77	32x10
3- 0x16	.83	32x12
3- 0x18	.90	32x14
3- 0x20	.96	32x16



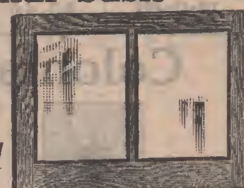
No. 10-G-83 **Stall Sash, Clear White Pine**
1 Light 1⅛ Inches Thick

Size of Glass Inches	Price Glazed	Outside meas. ft. in. ft. in.
10x12	$0.49	1-2x1-5
10x14	.51	1-2x1-7
12x14	.54	1-4x1-7
12x16	.57	1-4x1-9

Cellar Sash

Clear White Pine

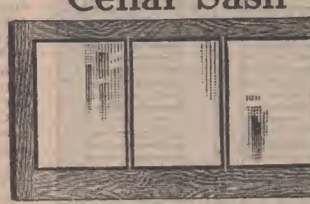
No. 10-G-81



Two Lights, 1⅜ Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
10x12	$0.63	2- 1x1- 5
10x14	.68	2- 1x1- 7
10x16	.75	2- 1x1- 9
10x18	.83	2- 1x1-11
10x20	.86	2- 1x2- 1
12x12	.68	2- 5x1- 5
12x14	.74	2- 5x1- 7
12x16	.77	2- 5x1- 9
12x18	.85	2- 5x1-11
12x20	.86	2- 5x2- 1
12x24	.96	2- 5x2- 5
14x16	.84	2- 9x1- 9
14x18	.85	2- 9x1-11
14x20	.92	2- 9x2- 1

Cellar Sash

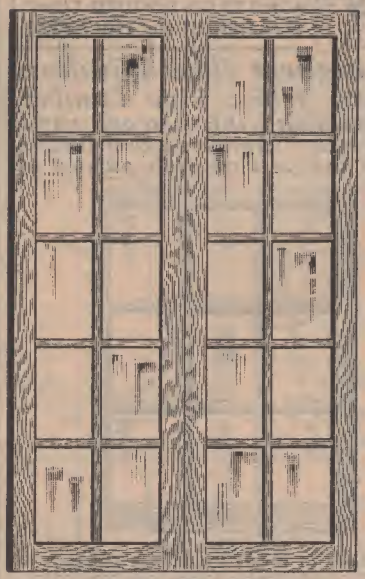


No. 10-G-82 **Clear White Pine**
Three Lights, 1⅛ Inches Thick

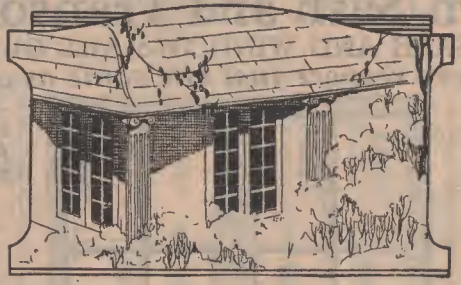
Size of Glass Inches	Price, Glazed	Outside meas ft. in. ft. in.
7x 9	$0.56	2- 1x1- 2
8x10	.61	2- 4x1- 3
8x12	.67	2- 4x1- 5
8x14	.69	2- 4x1- 7
9x12	.68	2- 7x1- 5
9x14	.70	2- 7x1- 7
9x16	.78	2- 7x1- 9
10x12	.71	2-10x1- 5
10x14	.78	2-10x1- 7
10x16	.87	2-10x1- 9
12x12	.91	3- 4x1- 5
12x14	.93	3- 4x1- 7
12x16	.96	3- 4x1- 9
12x18	1.05	3- 4x1-11

Special Sash and Windows of all kinds made to order at lowest possible price

FRENCH OR CASEMENT WINDOWS



10-G-306



These handsome, artistic French windows harmonize with any style of architecture. Made of best quality "A" grade Soft White Pine and glazed with clear glass and best grade putty. Each sash is rabbeted on the side where they come together, insuring a close fit. Strong wood dividing bars are used and windows are built in a most substantial manner. Windows are 1⅜ inches thick.

Special size windows of all kinds made to order. We will furnish water drip moulding ⅝ inch x 1¼ inches, as illustrated, to be nailed on bottom rail of windows for 15c per window extra. We will rabbet bottom rail of sash for swing in style frames at 30c extra per window (two sash). Frames for these windows are illustrated and priced on page 19 of this catalog.

Water Drip Moulding

10-G-307

Price Per Window; Consisting of Two Sash

Window Opening Size	2-8x3-6	2-8x4-6	2-8x5-2	2-10x5-2	2-10x5-6	3-0x4-6	3-0x5-2	3-0x5-6	3-4x5-6	3-8x5-6	Ship. wt.
10-G-306	$3.46	$4.14	$4.62	$4.94	$5.10	$4.32	$4.95	$5.10	$5.33	$5.72	38
10-G-307	3.69	4.39	4.99	5.06	5.31	4.72	4.96	5.18	5.71	6.52	40

Colonial Shutters—They Beautify Any Home

Urn Panel Design

To the left we illustrate an improved shutter which has all the beauty of slat shutters, with none of the rattles and breakages of the old style, due to the fact that the bottom panel is solid, but moulded on both sides to look like slats.

To the right we illustrate the conventional style of shutters with flat panels top and bottom. Shutters can be furnished with your choice of top panel designs at no advance in price. However, unless ordered to the contrary, Shutter No. 693 will be furnished with "Keyhole" design top panel, and Shutter No. 694 with "Crescent" design top panel.

You will be tremendously surprised at what an improvement in appearance a few pair of shutters will make in your home. In addition to ornamentation, shutters afford considerable protection as they will keep the house warmer in winter and cooler in summer.

Our Shutters are made from clear White Pine, well manufactured, accurately machined, and are shipped in the white (natural wood unpainted). They are manufactured to order only. Allow at least ten days' time for shipment.

They are made in pairs, each shutter covering one-half of the window. One pair of shutters is needed for each window opening. Shutters are rabbeted where they join together. All shutters are made 1⅛ inches thick. When ordering, please remember that shutters are made to order and are not subject to cancellation. Therefore, measure exact opening each pair of shutters is to fit in, giving width first, height second. Prices are per pair.

Pine Tree Panel Design

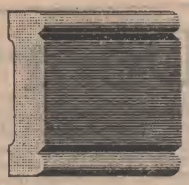
10-G-693
KEYHOLE PANEL DESIGN

10-G-694
CRESCENT PANEL DESIGN

Size of Opening Per pair ft. in. ft. in.	*10-GX-693* Price Per pair	Ship. Weight Per pair	Size of Opening Per pair ft. in. ft. in.	*10-GX-693* Price Per pair	Ship. Weight Per pair	Size of Opening Per pair ft. in. ft. in.	*10-G-694* Price Per pair	Ship. Weight Per pair	Size of Opening Per pair ft. in. ft. in.	*10-G-694* Price Per pair	Ship. Weight Per pair
2- 0x3-11½	$4.68	15	2- 8x5- 3½	$6.26	25	2- 0x3-11½	$4.14	15	2- 8x5- 3½	$5.62	25
2- 4x4- 7½	5.48	18	2- 8x5- 7½	6.40	26	2- 4x4- 7½	4.86	18	2- 8x5- 7½	5.76	26
2- 4x5- 3½	5.58	20	2- 8x5-11½	6.64	28	2- 4x5- 3½	5.02	20	2- 8x5-11½	5.98	28
2- 4x5- 7½	5.72	22	2-10x5- 7½	6.66	26	2- 4x5- 7½	5.16	22	2-10x5- 7½	6.02	26
2- 6x5- 3½	5.98	22	2-10x5-11½	6.84	28	2- 6x5- 3½	5.39	22	2-10x5-11½	6.16	28
2- 6x5- 7½	6.21	24	3- 0x5-11½	7.12	30	2- 6x5- 7½	5.62	24	3- 0x5-11½	6.41	30

For Shutters not listed allow the price of the next larger size listed above

Chair Rail


Hook Strip

Round Edge Stops

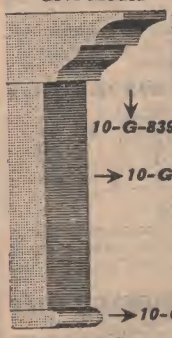
O. G. Stops

Wainscote Cap

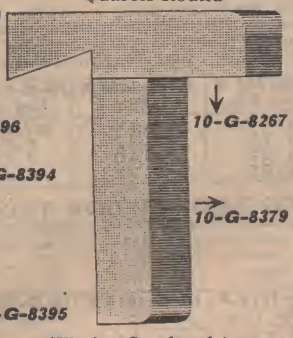
Picture Mould

Cove Mould

Quarter Round



3 Member Cap

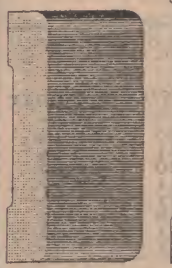


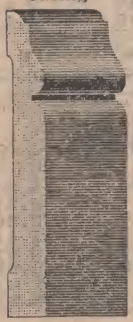
Window Stool and Apron

Head Casing

O. G. Casing

Mission Casing and Back Band


Round Edge Casing


Moulded Base

Round Edge Base

3 Member Base

O. G. Base

Base Blocks

Yellow Pine—Fir—Oak and Birch

Interior Trim

Most popular designs of interior moulding for modern homes. Manufactured from finest selected clear woods run on low speed machines to produce an excellent smooth finish. Kept clean and bright because of our mammoth fast moving stocks. Sold in random lengths, 8 ft. to 16 ft. Your choice of Yellow Pine, Fir, Oak and Birch, presenting interior trim for every required finish suitable for oil, stain, paint or enamel.

Add 10% to These Prices for Specified Lengths

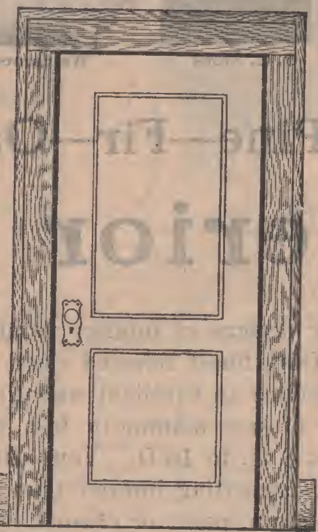
10-G-1002 → 10-G-1000 →

Order by this No.	Name of Moulding	Size inches	Prices per 100 lineal feet				Weight per 100 Lineal Feet
			Yellow Pine	Fir	Oak	Birch	
10-G-8496	Chair Rail	5/8x3 5/8	$3.36	$3.57	$7.14	$7.88	80 lbs.
10-G-8234	Hook Strip	5/8x2 1/2	2.20	.....	.....	.....	50 lbs.
10-G-8541	Round Edge Stop	1/2x1 3/8	1.20	1.28	2.55	2.61	20 lbs.
10-G-8542	Round Edge Stop	1/2x1 5/8	1.60	1.70	3.40	3.47	25 lbs.
10-G-8083	O. G. Stop	5/8x1 1/8	.80	.85	1.70	1.80	20 lbs.
10-G-8084	O. G. Stop	5/8x1 3/8	.88	.94	1.87	1.91	25 lbs.
10-G-8085	O. G. Stop	5/8x1 5/8	1.12	1.19	2.38	2.43	25 lbs.
10-G-8096	O. G. Stop	1/2x1 3/8	1.20	1.28	2.55	2.61	25 lbs.
10-G-8095	O. G. Stop	1/2x1 5/8	1.60	1.70	3.40	3.47	25 lbs.
10-G-8093	O. G. Stop	1/2x2 1/4	2.00	2.12	4.25	4.50	30 lbs.
10-G-8228	Wainscote Cap	3/4x2	2.00	.....	.....	.....	40 lbs.
10-G-8264	Picture Mould	3/4x1 3/4	1.60	1.70	3.40	3.67	35 lbs.
10-G-8396	Cap Mould	1 1/8x2 1/4	3.32	3.53	7.06	9.19	80 lbs.
10-G-8394	Head Casing	3/4x4 1/2	4.20	4.46	8.93	9.88	90 lbs.
10-G-8395	Fillet	7/16x1	1.00	1.06	2.13	2.20	15 lbs.
10-G-8267	Window Stool	1 1/8x3 5/8	5.28	5.61	11.22	11.60	100 lbs.
10-G-8268	Window Stool	1 1/8x8	10.56	11.22	22.44	23.20	210 lbs.
10-G-8379	Window Apron	3/4x3 5/8	3.36	3.57	7.14	7.90	80 lbs.
10-G-1004	Head Casing	7/8x4 1/4	6.35	6.73	13.46	13.92	100 lbs.
10-G-1005	Head Casing	7/8x5 1/2	7.04	7.48	14.96	15.47	120 lbs.
10-G-8384	O. G. Casing	3/4x4 1/4	4.00	.....	.....	.....	85 lbs.
10-G-8385	O. G. Casing	3/4x5 1/4	4.80	.....	.....	.....	105 lbs.
10-G-1000	Mission Casing	3/4x3 1/2	3.36	3.57	7.14	7.90	80 lbs.
10-G-1001	Mission Casing	3/4x4 1/4	4.00	4.25	8.50	9.87	85 lbs.
10-G-1006	Mission Casing	3/4x5 3/4	5.20	5.53	11.05	11.85	95 lbs.
10-G-1002	Back Band	1 1/8x1 1/8	1.84	1.96	3.91	3.85	35 lbs.
10-G-8308	Round Edge Casing	3/4x3 5/8	3.36	3.57	7.14	7.90	80 lbs.
10-G-8309	Round Edge Casing	3/4x4 1/4	4.00	4.25	8.50	9.90	85 lbs.
10-G-8311 1/2	Round Edge Casing	3/4x5 3/4	5.20	5.53	11.05	11.85	95 lbs.
10-G-8426	Moulded Base	3/4x7 1/4	6.40	6.80	13.60	15.75	140 lbs.
10-G-1003	Round Edge Base	3/4x7 1/4	6.40	6.80	13.60	15.75	140 lbs.
10-G-8740	Base Mould	3/4x1 3/4	1.60	1.70	3.40	3.67	35 lbs.
10-G-8421	Moulded Base	3/4x7 1/4	6.40	6.80	13.60	15.75	140 lbs.
10-G-8421 1/2	Moulded Base	3/4x5 3/4	4.80	5.10	10.20	11.85	105 lbs.
10-G-8422	Base Shoe	1/2x 3/4	.80	.85	1.70	1.80	15 lbs.
10-G-8385	O. G. Base	3/4x5 1/4	4.80	.....	.....	.....	105 lbs.
10-G-8386	O. G. Base	3/4x7 1/4	6.40	.....	.....	.....	140 lbs.
10-G-8060	Cove Mould	3/4x 3/4	.80	.85	1.70	1.80	15 lbs.
10-G-8065	Quarter Round	3/4x 3/4	.80	.85	1.70	1.80	15 lbs.

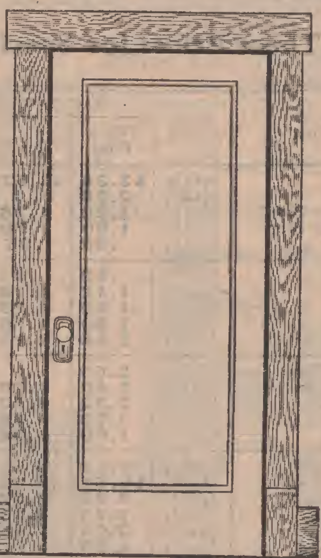
Order by this No.	Name	Size inches	Price, Each				Weight Each
			Yellow Pine	Fir	Oak	Birch	
10-G-134	Base Blocks	1 1/8x3 3/4 x10	7c	8c	14c	19c	2 lbs.
10-G-144	Base Blocks	1 1/8x4 1/2 x10	8c	9c	15c	20c	2 lbs.

Special Designs Made to Order. Write for Prices!

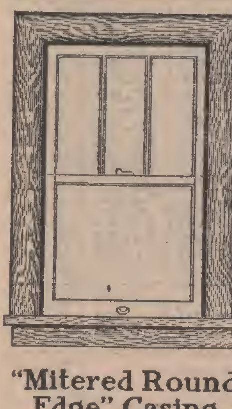
No Waste Window and Door Trim

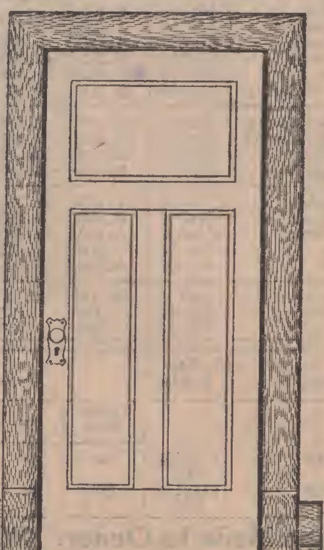


"Back Band" Door and Window Trim



"Mission" Door and Window Trim





"Mitered Round Edge" Casing Door and Window Trim

Made of finest selected mouldings clear and smooth. No waste when you order inside trim from these pages and no chance of mistakes. Saves much time and expense. Cut to lengths with liberal allowance for fitting on the job. Do not overlook to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. **Stops or jambs are not included with door trim sets; they must be ordered separate.** For Stops see below, for Jambs see page 12.

If the size you require is not listed, allow price of next larger size. For mullion and triple window trim sets allow 2 and 3 times the price of single window trim; 5¾ inches center Casing will be furnished.

BACK BAND DOOR TRIM

The Back Band Trim shown is one of the styles of handsome trim used in our Harris Homes—a modern trim easy for the carpenter to apply and easy for the housewife to keep clean.

Any size door opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, 1⅛x1⅛. Back Band No. 1002. For stops see below.			
Width Height ft. in. ft. in.	***10-G-1007 X*** Yellow Pine	***10-G-1008 X*** Fir	***10-G-1009X*** Red Oak	***10-G-1010X*** Birch
2–8 x 6–8	$1.07	$1.14	$2.28	$2.41
3–0 x 7–0	1.20	1.27	2.54	2.70
5–0 x 7–0	1.32	1.40	2.80	2.97
8–0 x 8–0	1.62	1.72	3.43	3.65

BACK BAND WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, 1⅛x1⅛ Back Band No. 1002, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Height ft. in. ft. in.	***10-G-1013 X*** Yellow Pine	***10-G-1014 X*** Fir	***10-G-1015X*** Red Oak	***10-G-1016X*** Birch
2–4 x 3–10	$1.17	$1.24	$2.48	$2.62
2–4 x 4–10	1.31	1.40	2.77	2.93
2–4 x 5–10	1.45	1.55	3.07	3.24
3–0 x 3–10	1.27	1.36	2.71	2.86
3–0 x 4–10	1.41	1.51	3.01	3.18
3–0 x 5–10	1.55	1.65	3.30	3.49
4–0 x 5–10	1.73	1.84	3.67	3.88

MISSION DOOR TRIM

To those who fancy a plain trim, we recommend our Mission Style. When used with our Seattle or Olympia Door, it is considered a harmonizing design.

Any size door. opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, ⅛x4¼ Head Casing, No. 134 Base Blocks. For stops see below.			
Width Height ft. in. ft. in.	***10-G-1908 X*** Yellow Pine	***10-G-1909 X*** Fir	***10-G-1910X*** Red Oak	***10-G-1911X*** Birch
2–8 x 6–8	$0.85	$0.92	$1.79	$2.03
3–0 x 7–0	1.01	1.08	2.12	2.38
5–0 x 7–0	1.16	1.24	2.44	2.71
8–0 x 8–0	1.54	1.65	3.25	3.57

MISSION WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, ⅛x4¼ Head Casing, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Height ft. in. ft. in.	***10-G-1912 X*** Yellow Pine	***10-G-1913 X*** Fir	***10-G-1914X*** Red Oak	***10-G-1915X*** Birch
2–0 x 3–10	$0.94	$1.00	$2.00	$2.13
2–0 x 4–10	1.04	1.11	2.21	2.36
2–8 x 3–10	1.03	1.10	2.20	2.34
2–8 x 4–10	1.13	1.22	2.41	2.57
2–8 x 5–10	1.23	1.32	2.61	2.79
3–2 x 4–10	1.22	1.30	2.60	2.77
3–2 x 5–10	1.32	1.41	2.81	3.00
4–0 x 5–10	1.51	1.61	3.21	3.42

ROUND EDGE MITERED DOOR AND WINDOW TRIM

Our Mitered Round Edge Trim, like our Back Band Trim, is of the sanitary style and when nicely finished, it makes a very pretty interior trim.

Any size door opening up to and including	Set consists of R. E. Casing No. 8309 and Base Blocks No. 144. For stops see below	Any size window opening up to and including	Set consists of R. E. Casing No. 8309 Stool No. 8267 Apron No. 8379, O. G. Stops
Width Height ft. in. ft. in.	***10-G-2033 X*** Yellow Pine	Width Height ft. in. ft. in.	***10-G-2042X*** Yellow Pine
2–0 x 7–0	$0.94	2–0 x 4–6	$1.02
2–8 x 7–0	.97	2–6 x 4–6	1.10
3–0 x 7–0	.99	2–6 x 5–6	1.21
5–0 x 7–0	1.08	3–0 x 4–6	1.17
8–0 x 8–0	1.40	3–0 x 5–6	1.29

O. G. DOOR STOPS

One set of Door Stops is needed for each inside door. Prices are for Stops No. 8085. Price per set.

Width Height ft. in. ft. in.	***10-G-8951*** Yellow Pine	***10-G-8952*** Fir	***10-G-8953*** Red Oak	***10-G-8954*** Birch
2–8 x 6–8	$0.22	$0.23	$0.47	$0.48
3–0 x 7–0	.25	.27	.54	.55
5–0 x 7–0	.28	.30	.61	.62

Yellow Pine, Fir, Oak and Birch

Cut to lengths with liberal allowance for fitting on the job. Don't forget to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. Stops are not included with door trim sets; they must be ordered separate.

If the size you require is not listed, allow price of next larger size. For mullion and triple window trim sets allow 2 and 3 times the price of single window trim; 5¾ inch Center Casing will be furnished.

THREE MEMBER CAP DOOR TRIM

Our Three Member Cap Trim illustrated is a standard style used in many homes today. It is always impressive, regardless of what style door it is used with.

Any size door opening up to and including	Each set consists of ¾x4¼ inch Casing No. 8309. Three Member Cap and Base Blocks No. 144. For Stops see below.			
Width Height ft. in. ft. in.	10-G-914x Yellow Pine	10-G-925x Fir	10-G-916x Red Oak	10-G-917x Birch
2-8 x 6-8	$1.14	$1.22	$2.37	$2.84
3-0 x 7-0	1.26	1.35	2.63	3.14
5-0 x 7-0	1.46	1.56	3.05	3.63
8-0 x 8-0	1.90	2.02	3.98	4.71

THREE MEMBER CAP WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x4¼ inch Casing No. 8309, Three Member Cap, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Height ft. in. ft. in.	10-G-988x Yellow Pine	10-G-982x Fir	10-G-990x Red Oak	10-G-991x Birch
2-4 x 3-10	$1.19	$1.27	$2.52	$2.84
2-4 x 4-10	1.30	1.39	2.76	3.11
2-4 x 5-10	1.41	1.51	3.00	3.38
3-0 x 3-10	1.31	1.40	2.79	3.15
3-0 x 4-10	1.43	1.52	3.06	3.42
3-0 x 5-10	1.54	1.63	3.27	3.69
4-0 x 5-10	1.75	1.86	3.72	4.19

CHAMFERED HEAD DOOR TRIM

It is hard to choose a more attractive design than our Chamfered Head Interior Trim. We recommend this trim for high grade homes.

Any size door opening up to and including	Each set consists of ¾x3½ inch Square Edge Casing No. 1000, ⅞x5½ Chamfered Head and Base Blocks No. 134. For Stops see below.			
Width Height ft. in. ft. in.	10-G-2234x Yellow Pine	10-G-2235x Fir	10-G-2236x Red Oak	10-G-2237x Birch
2-8 x 6-8	$1.15	$1.22	$2.23	$2.47
3-0 x 7-0	1.31	1.39	2.56	2.83
5-0 x 7-0	1.47	1.57	2.91	3.18
8-0 x 8-0	1.87	1.99	3.76	4.08

CHAMFERED HEAD WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x3½ inch Square Edge Casing No. 1000. ⅞x5½ Chamfered Head, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Height ft. in. ft. in.	10-G-3940x Yellow Pine	10-G-3941x Fir	10-G-3942x Red Oak	10-G-3943x Birch
2-0 x 3-10	$1.24	$1.31	$2.43	$2.57
2-0 x 4-10	1.34	1.41	2.65	2.79
2-8 x 3-10	1.35	1.42	2.64	2.78
2-8 x 4-10	1.44	1.52	2.85	3.01
2-8 x 5-10	1.53	1.63	3.06	3.23
3-2 x 4-10	1.52	1.62	3.05	3.22
3-2 x 5-10	1.63	1.72	3.26	3.44
4-0 x 5-10	1.82	1.92	3.67	3.88

O. G. MITERED DOOR AND WINDOW TRIM

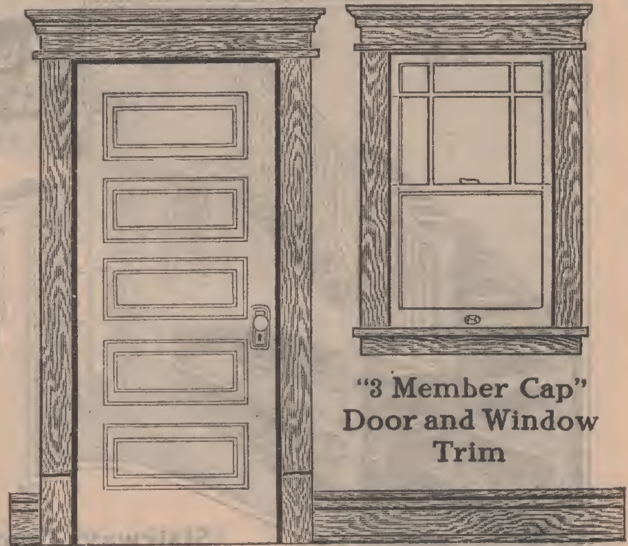
Our O. G. Trim is a simple design used most where economy and practicability is the watchword. When carefully fitted and finished, makes a attractive trim.

Any size door opening up to and including	Each set consists of ¾x4¼ inch O.G. Casing No. 8384. For Stops see below.	Any size window opening up to and including	Each set consists of O. G. Casing No. 8384, Stool No. 8267, Apron No. 8379 and O. G. Stops.
Width Height ft. in. ft. in.	10-G-975x Yellow Pine	Width Height ft. in. ft. in.	10-G-977x Yellow Pine
2-6 x 6-6	$0.81	2-0 x 4-6	$1.02
2-8 x 7-0	.90	2-6 x 4-6	1.10
3-0 x 7-0	.92	2-6 x 5-6	1.21
5-0 x 7-0	1.01	3-0 x 4-6	1.17
8-0 x 8-0	1.24	3-0 x 5-6	1.29

O. G. DOOR STOPS

One set of Door Stops is needed for each inside door. Prices are for Stops No. 8085. Price per set.

Width Height ft. in. ft. in.	10-G-8951x Yellow Pine	10-G-8952x Fir	10-G-8953x Red Oak	10-G-8954x Birch
2-8 x 6-8	$0.22	$0.23	$0.47	$0.48
3-0 x 7-0	.25	.27	.54	.55
5-0 x 7-0	.28	.30	.61	.62

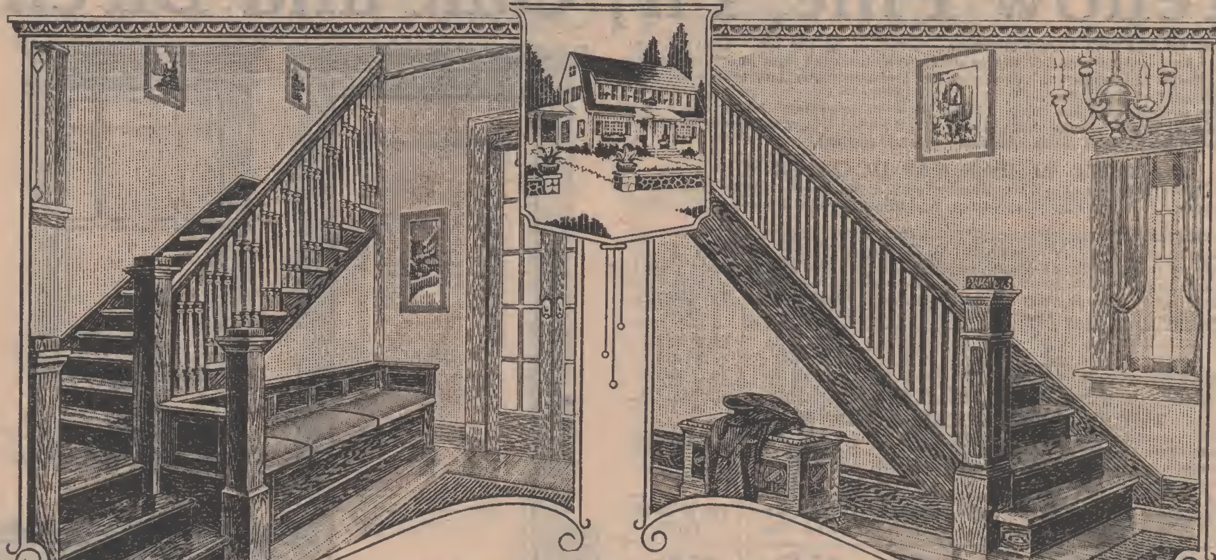


"3 Member Cap" Door and Window Trim

"Chamfered Head" Door and Window Trim

"OG" Door and Window Trim

ATTRACTIVE INTERIOR STAIRWAYS



Stairways Complete as Shown
Flooring or Landing Material Not Included

The interior stairways shown on this and the opposite page are but four of numerous designs which we can furnish. We have found these to be the most popular and keep ample stock of all materials going into their construction on hand for quick shipment in oak and yellow pine. All carefully selected, clear stock, smoothly machined and ready for oil, stain, paint or enamel. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 feet wide; height from finished first floor to finished second floor about 9 feet.

- 15 Risers, 3 feet
- 13 Treads, 3 feet
- 2 Starting Newels, No. 206
- 2 Angle Newels, No. 128
- 2 Stringers, 16 feet
- 2 Landing Treads
- 1 Piece No. 156, 14 feet
- 120 Lineal feet, 1⅛ inch, S4S
- 24 Lineal feet Wall Mold
- 10 Lineal feet Return Nosing
- 60 Stair Wedges
- 4 Blox
- 60 Lineal feet Cove

		Stringers not Housed	Stringers Housed
10-G-695.	Price, Yellow Pine	$41.95	$52.44
10-G-696.	Price, Red Oak...	65.30	81.73

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 feet wide; height from finished first floor to finished second floor about 9 feet.

- 4 Stringers, 16 feet
- 15 Risers, 3 feet
- 14 Treads, 3 feet
- 1 Landing Tread
- 1 Starting Newel
- 1 Landing Newel
- 1 Rail, 14 feet
- 1 Shoe, 14 feet
- 1 Fillet, 14 feet
- 120 Lineal feet, 1⅛x1⅛ inch
- 40 Lineal feet Wall Mold
- 10 Lineal feet Return Nosing
- 70 Lineal feet Cove
- 60 Wedges

		Stringers not Housed	Stringers Housed
10-G-697.	Price, Yellow Pine	$37.75	$47.19
10-G-698.	Price, Red Oak...	62.28	77.85

NEWELS AND STOCK STAIRWAY MATERIALS

These newels are all popular modern designs—always in popular demand. Carried in stock at all times.

10-G-128
Angle or Landing Newel

10-G-124
Main Newel

10-G-206
Main Newel

Angle or Landing Newels

5-inch square Angle Newel, 5 feet 6 inches long, can be cut down to use as landing or starting newels.

Prices of Angle Newels

10-G-128	Price, each
Yellow Pine	**$3.42**
Plain Oak	**4.50**

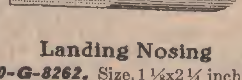
Main Newels

Artistic and Exclusive Designs, 8 inches at Base, 6 inch Shaft, 4 feet long, extra long base.

10-G-124	Price, each
Yellow Pine	**$5.77**
Plain Oak	**6.83**
10-G-206	Price, each
Yellow Pine	**$4.35**
Plain Oak	**5.25**

Round Hand Rail

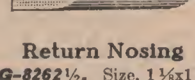
10-G-670. Rail, 1⅝x1¾ inches. Price, Yellow Pine, per foot....... **7c**
10-G-676. Rail, 1⅝x1¾ inches. Price, Plain Oak, per foot......... **11c**



Landing Nosing

10-G-8262. Size, 1⅛x2¼ inches. Price, per 100 lineal feet.

Yellow Pine............ **$4.55**
Plain Red Oak......... **8.20**



Return Nosing

10-G-8262½. Size, 1⅛x1⅜ inches. Price, per 100 lineal feet.

Yellow Pine............ **$2.90**
Oak.................... **5.25**

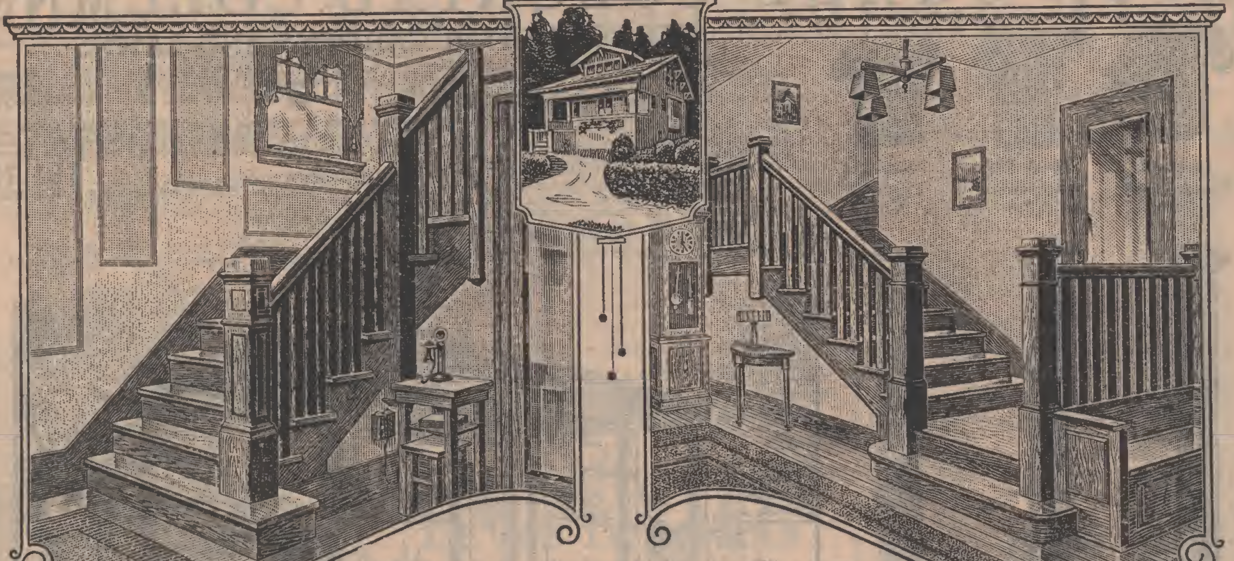
Stair Stringers and Wall Mould

Prices per 100 Lineal Feet

		Size	Wood	Price
10-G-654.	Wallmold..........	¾ x 1⅜	Y. P.	$ 1.53
10-G-655.	Wallmold..........	¾ x 1⅜	Oak	2.98
10-G-656.	Stringer...........	1 x 10	Y. P.	9.50
10-G-678½.	Stringer...........	1 x 12	Y. P.	11.50
10-G-657.	Stringer...........	1 x 10	Oak	17.00
10-G-679½.	Stringer...........	1 x 12	Oak	20.50

Wall Mould and Stair Stringer

FOR MODERN AMERICAN HOMES



Stairways Complete as Shown
Flooring or Landing Material Not Included

Any one of the elegant interior stairways illustrated on these pages are furnished complete to you at a surprisingly low cost. After you have decided upon the style you wish, simply make a rough pencil sketch of the opening in your building allowed for stairway, showing the width between finished walls and the height from finished first floor to finished second floor. With this information, we will be able to tell you exactly what the stairway for your building will cost you. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

2 Stringers, 16 feet
15 Risers
13 Treads
1 Square End Step
2 Landing Treads
1 Starting Newel
1 Angle Newel
½ Angle Newel
120 Lin. feet, 1⅛x1⅛
1 Piece Rail, 14 feet
1 Piece Return Nosing, 10 feet
60 Wedges
60 Lineal feet Cove
40 Lineal feet Wall Mold

		Stringers not Housed	Stringers Housed
10-G-856	Price, Yellow Pine......	$45.14	$56.42
10-G-857	Price, Red Oak.........	66.15	82.69

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

2 Stringers, 16 feet
15 Risers
12 Treads
1 Double End Tread
2 Landing Treads
2 Starting Newels
½ Starting Newel
1 Angle Newel
½ Angle Newel
40 Lineal feet Wall Mold
60 Lineal feet Cove
60 Wedges
10 Lineal feet Return Nosing
1 Rail, 16 feet
120 Lineal feet, 1⅛x1⅛ inch

		Stringers not Housed	Stringers Housed
10-G-858	Price, Yellow Pine......	$52.75	$65.94
10-G-859	Price, Red Oak.........	79.65	99.56

YOUR CHOICE OF OAK OR YELLOW PINE

Stair Balusters

1¾ inches thick, 28 or 32 inches long.

10-G-118

Smoothly Finished

No. 10-G-652 Also supplied in long lengths.

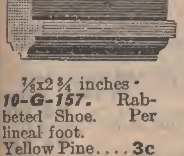
1⅛in. x1⅛ in. Yellow Pine **$1.95** per 100 lineal feet.

1⅛ in. x 1⅛ in. Red Oak **$3.45** per 100 lineal feet.

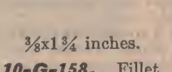
10-G-652

Cat. No.	Length 28 Inches		Length 32 Inches	
1¾ ins. thick	Y.-P.	Oak	Y.-P.	Oak
10-G-118	$0.20	$0.25	$0.22	$0.27
10-G-652	.14	.20	.15	.21

Stair Shoe and Fillet



⅞x2¾ inches
10-G-157. Rabbeted Shoe. Per lineal foot.
Yellow Pine....**3c**
Oak..........**6c**



⅜x1¾ inches.
10-G-158. Fillet. Per lineal foot.
Yellow Pine..**2 c**
Oak.........**3½c**

Be sure to specify size of rabbet or balusters when ordering above.

Treads and Risers

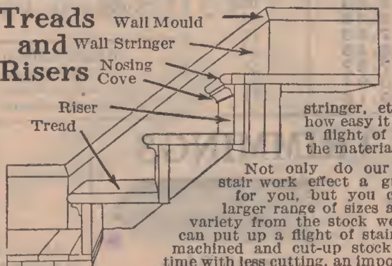


Illustration to the left shows a sectional view of our stair treads, risers, stringer, etc., showing how easy it is to put up a flight of stairs from the material we quote.

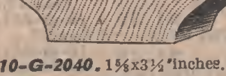
Not only do our prices on stair work effect a great saving for you, but you can build a larger range of sizes and a larger variety from the stock we list. You can put up a flight of stairs from our machined and cut-up stock in quicker time with less cutting, an important labor-saving feature.

Prices of Treads and Risers

Surfaced, cut smooth and nosed front. Clear Stock.

Number	Ins. Sizes Ft.	Price, each Y.-P.	Oak
10-G-666. Riser	¾x 7½x3	$0.25	$0.45
10-G-678. Riser	¾x 7½x3½	.29	.54
10-G-679. Riser	¾x 7½x4	.35	.59
10-G-668. Tread	1⅛x11½x3	.66	1.02
10-G-682. Tread	1⅛x11½x3½	.72	1.16
10-G-683. Tread	1⅛x11½x4	.83	1.30

Stair Railing



10-G-2040. 1⅝x3½ inches.
Prices per lineal foot.
Yellow Pine...........**18c**
Red Oak..............**24c**

10-G-2047. 2¾x3½ inches.
Prices per lineal foot.
Yellow Pine...........**26c**
Oak...................**37c**

Add **2c** per foot if rabbeted for 1⅛ in. or 1¾ in. Balusters.

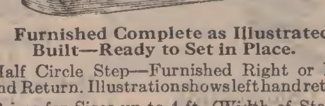
Quarter Circle Step

Furnished Complete as Illustrated
Built—Ready to Set in Place.

Quarter Circle Step—Furnished Right or Left Hand Return. Illustration shows right hand return. Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-G-672	R. H. Return	Clear Y.P.	$5.95
10-G-673	L. H. Return	Clear Y.P.	5.95
10-G-674	R. H. Return	Clear Oak	7.60
10-G-675	L. H. Return	Clear Oak	7.60

Half Circle Step



Furnished Complete as Illustrated
Built—Ready to Set in Place.

Half Circle Step—Furnished Right or Left Hand Return. Illustration shows left hand return.
Prices for Sizes up to 4 ft. (Width of Stairs).

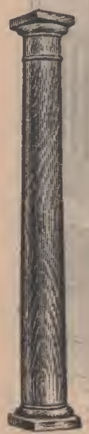
No.	Description	Wood	Price Each
10-G-660	L. H. Return	Clear Y.P.	$7.20
10-G-661	R. H. Return	Clear Y.P.	7.20
10-G-662	L. H. Return	Clear Oak	9.20
10-G-663	R. H. Return	Clear Oak	9.20

HIGH GRADE COLONIAL COLUMNS

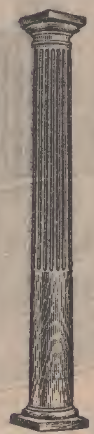
10-G-531
Roman Ionic Cap

10-G-532
Corinthian Cap

10-G-533
Colonial Cap



10-G-110



10-G-210

10-G-109

PERGOLAS FOR GARDENS AND LAWNS

A modern neatly designed well constructed pergola will add a touch of distinctive beauty and completeness to your grounds. Numerous elegant designs are available from our big complete stocks of pergola material. We are equipped to develop your own ideas and interpret them in such designs as you have in mind in terms of practical construction.

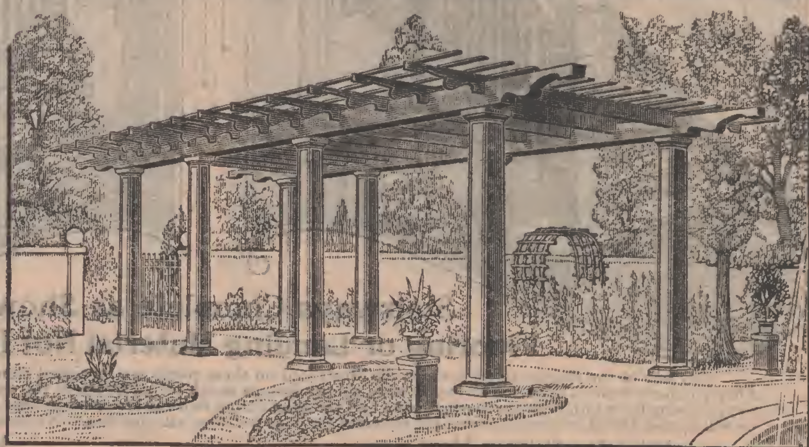
The pergola illustrated on this page is a popular design which can be delivered at surprisingly low cost. Made up complete of clear Fir comprising 8 square columns 8 feet high and 8 inches square at base tapering to top, scroll cut top beams and lattice covering. Distances between all pillars, 8 feet. Total length 28 feet overall. Weight, about 750 pounds.

Price of pergola as illustrated complete, in the white (natural wood).................. **$61.75**

If round columns are wanted they can be furnished at same price. Specify round columns if wanted.

10-G-611. Pergola consists of the following material:

4 pieces, 2x6, 18′ Band Sawed one end, to be spliced to make 28 feet.
4 pieces, 2x6, 10′ Band Sawed one end, to be spliced to make 28 feet.
13 pieces, 2x4, 12′ Band Sawed two ends, Cross Rafters.
30 pieces, ¾x1⅜, 14′, S4S Lattice Strips. 8 Colonial Columns, 8x8, 8 ft. round or square, main columns.



PRICES OF COLONIAL COLUMNS

Diam. of Shaft, Inches	Length Feet	***10-G-110*** Plain Shaft as illustrated	***10-G-210*** Half Fltd. as illustrated	***10-G-109*** Full Fltd. as illustrated	Shipping Weight, Lbs.
6x 6	6	$2.50	$3.65	$3.80	30
6x 6	8	2.74	3.89	4.04	35
6x 6	9	2.96	4.11	4.26	38
8x 8	6	3.05	4.20	4.35	40
8x 8	8	3.38	4.53	4.68	48
8x 8	9	3.91	5.06	5.21	50
8x 8	10	4.40	5.49	5.70	54
10x10	6	4.34	5.69	5.64	55
10x10	8	4.54	6.00	5.84	62
10x10	9	5.16	6.31	6.46	68
10x10	10	5.78	6.93	7.08	72
12x12	6	5.35	6.50	6.65	64
12x12	8	6.57	7.72	7.87	68
12x12	9	7.64	8.79	8.94	72
12x12	10	8.85	10.00	10.15	75

Our round Colonial columns are built up from Clear Selected Fir, improved lock joint construction.

COMPOSITION CAPS

All prices listed on this page are for Columns complete with Plain Colonial Cap 10-F-533, and base as shown. Add extra for Composition Cap as follows:

COMPOSITION CAPS EXTRA

For Size of Column, any length	Scamozzi Cap ***10-G-530***	Roman Ionic Cap ***10-G-531***	Roman Corinthian Cap ***10-G-532***
6 inch column	$2.17	$2.87	$3.72
8 inch column	2.71	3.49	5.43
10 inch column	4.26	5.58	7.21
12 inch column	6.51	8.37	10.15

INTERIOR TRIMMINGS

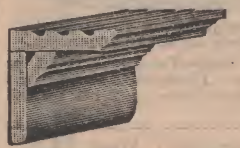
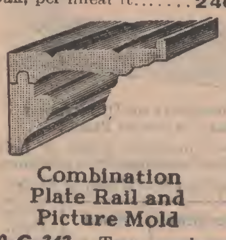


Plate Rail

10-G-340. Furnished in clear Selected Yellow Pine or Oak. Three member. Projection from wall 4¾ inches. Height over all 4½ inches.
Yellow Pine, per lineal ft. **12c**
Oak, per lineal ft........ **24c**



Combination Plate Rail and Picture Mold

10-G-343. Two members. Projection from wall 3 inches. Height over all 2 inches.
Yellow Pine, per lineal ft.. **6c**
Oak, per lineal ft..... **13½c**

Hardwood Thresholds

10-G-154. ⅝x3¾ inches. Clear Oak, length 3 feet.
Price, each............ **16c**

Folding Door Astragal

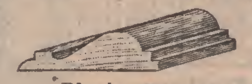
10-G-8450. 8 feet long. Folding Door Astragal, rabbetted, 1⅜ inches.
Yellow Pine, each... **$0.75**
Oak, each.......... **1.25**

10-G-8449. 8 feet long. Folding Door Astragal, rabbetted 1¾ inches.
Yellow Pine, each... **$0.75**
Oak, each.......... **1.25**

Round Edge Corner Bead

10-G-541. 1⅜x1⅜ inches. Yellow Pine. Price, per 100 lineal feet.......... **$4.95**

10-G-542. 1⅜x1⅜ inches. Red Oak. Price, per 100 lineal feet.......... **$7.95**



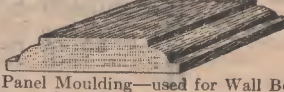
Plaster Panel Mould

Very popular for paneling plastered walls.

Prices per 100 lineal feet

10-G-931. Clear Yellow Pine, $\frac{7}{16}$x1¾ in..... **$1.50**
10-G-931. Clear Fir, $\frac{7}{16}$x1¾ in.......... **$1.65**
10-G-931. Clear Red Oak, $\frac{7}{16}$x1¾ in.......... **$3.00**
10-G-931. Clear Birch, $\frac{7}{16}$x1¾ in.......... **$3.40**

Moulded Panel Strips



Moulded Panel Moulding—used for Wall Board Panels, or decorative paneling of any kind.

Prices per 100 lineal feet

10-G-932. Clear Yellow Pine, size $\frac{7}{16}$x2½ in.... **$2.20**
10-G-932. Clear Fir, size, $\frac{7}{16}$x2½ in............ **2.34**
10-G-932. Clear Red Oak, size, $\frac{7}{16}$x2½ in...... **4.50**
10-G-932. Clear Birch, size, $\frac{7}{16}$x2½ in......... **4.95**

Three Member Flat Panel Strips
With Separate Cove Mould

3 Member Combination Flat and Cove Panel Moulding for Wall Board or any kind of decorative paneling. Easiest to apply, no "coping" necessary—simply square cut the panel strip and mitre the cove—neat, practical and easy. It is furnished in 3 members—the flat strip and the two pieces of small cove.

Prices for 3 members combined per 100 lineal feet

10-G-933. Clear Yellow Pine, size of flat panel strip, $\frac{7}{16}$x2½ in., size of cove, $\frac{5}{16}$x$\frac{5}{16}$ in.................. **$3.80**
10-G-933. Clear Fir, size of flat panel strip, $\frac{7}{16}$x2½ in., size of cove, $\frac{5}{16}$x$\frac{5}{16}$ in.................. **$4.10**
10-G-933. Clear Red Oak, size of flat panel strip, $\frac{7}{16}$x2½ in., size of cove, $\frac{5}{16}$x$\frac{5}{16}$ in.................. **$6.50**
10-G-933. Clear Birch, size of flat panel strip, $\frac{7}{16}$x2½ in., size of cove, $\frac{5}{16}$x$\frac{5}{16}$ in.................. **$6.95**

Clear Fir Porch and Outside Trim

Wood Porch Post and Newels

Made of

CLEAR SOFT OREGON FIR

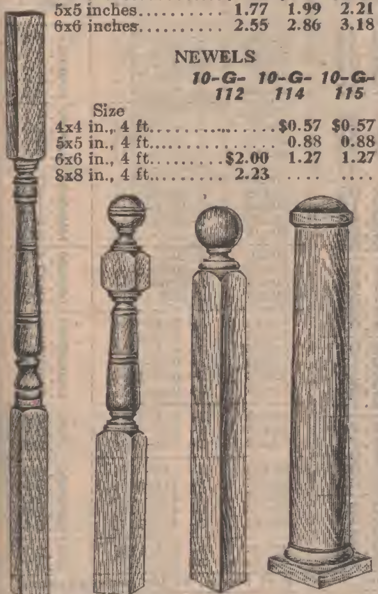
PORCH POST No. *10-G-113*

Prices

Size	8 ft.	9 ft.	10 ft.
4x4 inches	$1.13	$1.27	$1.41
5x5 inches	1.77	1.99	2.21
6x6 inches	2.55	2.86	3.18

NEWELS

Size	*10-G-112*	*10-G-114*	*10-G-115*
4x4 in., 4 ft.		$0.57	$0.57
5x5 in., 4 ft.		0.88	0.88
6x6 in., 4 ft.	$2.00	1.27	1.27
8x8 in., 4 ft.	2.23	....	....



10-G-113 *10-G-114* *10-G-115* *10-G-112*

TOP and BOTTOM RAIL

Rabbeted ⅞-Inches

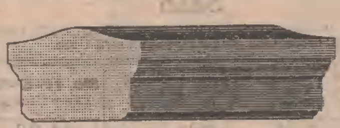
Clear Fir

10-G-560 **Top Rail**

1⅝x3½ inches. Per 100 lineal feet...... $5.70

10-G-561 **Bottom Rail**

¾x3½ inches. Per 100 lineal feet...... $3.35



10-G-606 COLONIAL TOP RAIL

Clear Fir

Extra Heavy

2¼x3½ inches. Per 100 lineal feet.... $10.65

10-G-607 COLONIAL BOTTOM RAIL

Clear Fir

Extra Heavy

1⅝x3½ inches. Per 100 lineal feet...... $5.70

On this page you will find listed and described all of the finished material that goes into the construction of porches. You might also be interested in the material on the preceding page which is also used in modern porches and any one interested in building a new home or remodeling their old home can readily make their selections from these pages. This material is all a strictly high grade stock of clear lumber used in the construction of finest porches. Lumber can also be furnished by us at greatly reduced prices and we advise you to send us your porch material list for our lowest quotation.

Eaves Brackets

Each style furnished in three sizes. Made of 4x4 in. yellow pine. 21x21 in. for five board cornice. 24x24 in. for six board cornice. 27x27 in. for seven board cornice.

10-G-620

Size	Each
21 inches	$2.43
24 inches	2.57
27 inches	2.91

10-G-621

Size	Each
21 inches	$2.12
24 inches	2.26
27 inches	2.60

Rafter Ends

10-G-594 *10-G-591*

Made from 2x4 and 2x6 stock, dressed 4 sides selected Oregon Fir or Short Leaf Yellow Pine.

PRICE EACH

Length	2 ft.	4 ft.		5 ft.		6 ft.	
	2x4 in	2x4 in	2x6 in	2x4 in	2x6 in	2x4 in	2x6 in
10-G-591	45c	62c	77c	73c	87c	77c	99c
10-G-594	43c	60c	75c	71c	85c	75c	97c

Square Built Up Columns and Newels

Made of

CLEAR SOFT OREGON FIR

Sizes and Prices of No. *10-G-520*

Length	8x8 in.	10x10 in.	12x12 in.
6 ft.	$3.05	$3.67	$4.43
8 ft.	3.66	4.39	5.38
9 ft.	4.05	4.81	6.19
10 ft.	4.39	5.83	6.95

BUILT-UP NEWELS

10-G-2227 Price, each 6x6 in., 4 ft. long...... $2.10

10-G-521 Price, each 8x8 in., 4 ft. long........ $2.25
10x10 in., 4 ft. long... 2.65

10-G-2227 *10-G-521* *10-G-520*

Clear Fir

10-G-146 **Top Rail**

1⅝x3½ inches. Per 100 lineal feet..... $5.50

ClearFir

10-G-147 **Bottom Rail**

1⅝x3½ inches. Per 100 lineal feet..... $5.50

Porch Baluster Stock

Our porch baluster stock furnished in lineal feet is all clear, soft Oregon fir correctly sized and well machined.

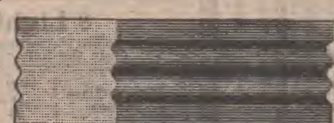
Clear Fir

10-G-556

Square Baluster Stock Surfaced All Sides

1⅛x1⅛ inches, per 100 lineal feet.................. $1.60
1⅜x1⅜ inches, per 100 lineal feet.................. 1.90
1¾x1¾ inches, per 100 lineal feet.................. 3.75

Cut to lengths at 50c per 100 lineal feet extra.



Clear Fir

10-G-152

Baluster Stock, 1⅜x1⅜ inches.
Per 100 lineal feet.......................... $2.25

10-G-151

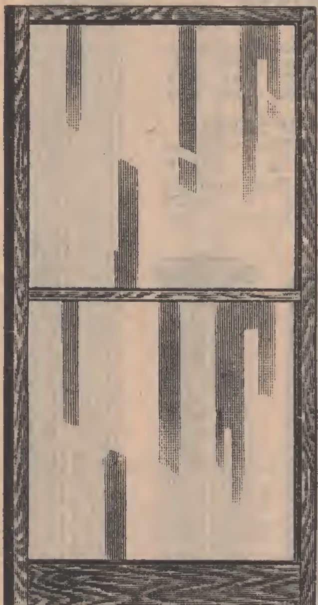
Baluster Stock, 1¾x1¾ inches.
Per 100 lineal feet.......................... 3.60

Storm Sash—Clear Soft White Pine

A Word About Quality

We manufacture right here at our Main Plant in Chicago, tremendous stocks of storm sash and millwork of all kinds. From the very first, we believed that a storm sash should be made just as good in quality and workmanship as a regular window, instead of the second grade sappy lumber usually used, for the reason that storm sash really get more abuse than any window in your own house because the storm sash is handled rougher, being taken down, put up and stored away every year, therefore, subject to more abuses. We permit no blue, sappy, or mixed woods, but only first grade clear White Pine, the Pine that lasts longest—sell them to you for less money than many second grades offered on the market.

Our storm sash are made of clear White Pine, standard thickness 1⅛ inches, glazed with clear machine made American glass of uniform thickness, better strength than generally used for storm sash purposes. We use zinc rust-proof points to hold the glass in place and best quality putty to fill deep putty rabbet. A variance of ⅛" over in size permitted in storm sash. Special sizes made to order at advanced prices. All our storm sash are smoothly sanded, and shipped to you in the white (natural wood).



No. 10-G-89 2-Light

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*10-G-89* Price Glazed
12x20	1- 4x3-11½	$1.19
12x22	1- 4x4- 3½	1.28
12x24	1- 4x4- 7½	1.34
12x26	1- 4x4-11½	1.40
12x28	1- 4x5- 3½	1.46
12x30	1- 4x5- 7½	1.66
14x20	1- 6x3-11½	1.28
14x22	1- 6x4- 3½	1.40
14x24	1- 6x4- 7½	1.43
14x26	1- 6x4-11½	1.48
14x28	1- 6x5- 3½	1.67
14x30	1- 6x5- 7½	1.75
16x16	1- 8x3- 3½	1.24
16x18	1- 8x3- 7½	1.30
16x20	1- 8x3-11½	1.37
16x22	1- 8x4- 3½	1.46
16x24	1- 8x4- 7½	1.51
16x26	1- 8x4-11½	1.70
16x28	1- 8x5- 3½	1.78
16x30	1- 8x5- 7½	1.85
16x32	1- 8x5-11½	2.00
16x34	1- 8x6- 3½	2.15
16x36	1- 8x6- 7½	2.28
18x20	1-10x3-11½	1.46
18x22	1-10x4- 3½	1.64
18x24	1-10x4- 7½	1.70
18x26	1-10x4-11½	1.79
18x28	1-10x5- 3½	1.87
18x30	1-10x5- 7½	2.00
18x32	1-10x5x11½	2.14
20x16	2- 0x3- 3½	1.31
20x18	2- 0x3- 7½	1.40
20x20	2- 0x3-11½	1.51
20x22	2- 0x4- 3½	1.70
20x24	2- 0x4- 7½	1.71

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*10-G-89* Price Glazed
20x26	2- 0x4-11½	$1.79
20x28	2- 0x5- 3½	1.87
20x30	2- 0x5- 7½	2.05
20x32	2- 0x5-11½	2.27
20x34	2- 0x6- 3½	2.37
22x18	2- 2x3- 7½	1.60
22x20	2- 2x3-11½	1.66
22x22	2- 2x4- 3½	1.82
22x24	2- 2x4- 7½	1.83
22x26	2- 2x4-11½	1.91
22x28	2- 2x5- 3½	2.03
22x30	2- 2x5- 7½	2.18
22x32	2- 2x5-11½	2.41
22x34	2- 2x6- 3½	2.50
22x36	2- 2x6- 7½	2.65
24x18	2- 4x3- 7½	1.60
24x20	2- 4x3-11½	1 66
24x22	2- 4x4- 3½	1.82
24x24	2- 4x4- 7½	1.88
24x26	2- 4x4-11½	1.91
24x28	2- 4x5- 3½	2.02
24x30	2- 4x5- 7½	2.18
24x32	2- 4x5-11½	2.50
24x34	2- 4x6- 3½	2.65
24x36	2- 4x6- 7½	2.74
26x16	2- 6x3- 3½	1.70
26x20	2- 6x3-11½	1.79
26x22	2- 6x4- 3½	1.94
26x24	2- 6x4- 7½	1.95
26x26	2- 6x4-11½	2.03
26x28	2- 6x5- 3½	2.23
26x30	2- 6x5- 7½	2.41
26x32	2- 6x5-11½	2.65
26x34	2- 6x6- 3½	2.78
26x36	2- 6x6- 7½	2.99

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*10-G-89* Price Glazed
28x20	2- 8x3-11½	$1.96
28x22	2- 8x4- 3½	2.11
28x24	2- 8x4- 7½	2.12
28x26	2- 8x4-11½	2.24
28x28	2- 8x5- 3½	2.35
28x30	2- 8x5- 7½	2.41
28x32	2- 8x5-11½	2.90
28x34	2- 8x6- 3½	3.01
28x36	2- 8x6- 7½	3.26
30x20	2-10x3-11½	2.05
30x22	2-10x4- 3½	2.17
30x24	2-10x4- 7½	2.18
30x26	2-10x4-11½	2.41
30x28	2-10x5- 3½	2.44
30x30	2-10x5- 7½	2.74
30x32	2-10x5-11½	3.01
30x34	2-10x6- 3½	3.26
30x36	2-10x6- 7½	3.29
32x24	3- 0x4- 7½	2.56
32x26	3- 0x4-11½	2.59
32x28	3- 0x5- 3½	2.90
32x30	3- 0x5- 7½	3.01
32x32	3- 0x5-11½	3.26
32x36	3- 0x6- 7½	3.64
34x26	3- 2x4-11½	2.98
34x28	3- 2x5- 3½	3.01
34x30	3- 2x5- 7½	3.26
36x24	3- 4x4- 7½	2.66
36x26	3- 4x4-11½	2.99
36x28	3- 4x5- 3½	3.20
36x30	3- 4x5- 7½	3.29
36x32	3- 4x5-11½	3.64
40x26	3- 8x4-11½	3.27
40x28	3- 8x5- 3½	3.57

We can furnish above size storm sash changed to 4 lights, like our No. 10-F-91 below, at 50c per sash extra.

10-G-91 4-Light

4 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes, only:

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*No. 10-G-91* Price Glazed
10x20	2- 1x3-11½	$1.67
10x22	2- 1x4- 3½	1.75
10x24	2- 1x4- 7½	1.76
10x26	2- 1x4-11½	1.96
10x28	2- 1x5- 3½	1.97
10x30	2- 1x5- 7½	2.35
10x32	2- 1x5-11½	2.59
12x20	2- 5x3-11½	1.77
12x22	2- 5x4- 3½	1.87
12x24	2- 5x4- 7½	1.88
12x26	2- 5x4-11½	1.99
12x28	2- 5x5- 3½	2.06
12x30	2- 5x5- 7½	2.44
12x32	2- 5x5-11½	2.69
12x34	2- 5x6- 3½	2.80
12x36	2- 5x6- 7½	2.92
14x20	2- 9x3-11½	1.97
14x22	2- 9x4- 3½	2.14
14x24	2- 9x4- 7½	2.15
14x26	2- 9x4-11½	2.23
14x28	2- 9x5- 3½	2.48
14x30	2- 9x5- 7½	2.67
14x32	2- 9x5-11½	2.84
14x34	2- 9x6- 3½	3.11
14x36	2- 9x6- 7½	3.26
15x30	2-11x5- 7½	2.92
15x32	2-11x5-11½	3.11

10-G-93 8-Light

8 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes, only:

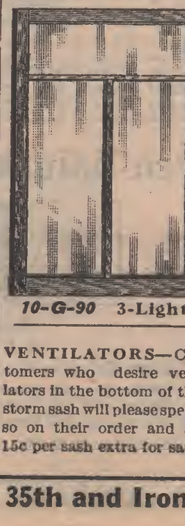
Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*No. 10-G-93* Price Glazed
8x10	1- 9x3-11½	$1.45
9x12	1-11x4- 7½	1.66
9x14	1-11x5- 3½	1.79
10x12	2- 1x4- 7½	1.75
10x14	2- 1x5- 3½	1.88
10x16	2- 1x5-11½	2.20
12x14	2- 5x5- 3½	2.08
12x16	2- 5x5-11½	2.41
14x16	2- 9x5-11½	2.63

10-G-92 12-Light

12 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes, only:

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	*No. 10-G-92* Price Glazed
8x10	2- 4½x3-11½	$1.72
8x12	2- 4½x4- 7½	1.81
9x12	2- 7½x4- 7½	2.03
9x14	2- 7½x5- 3½	2.29
10x12	2-10½x4- 7½	2.11
10x14	2-10½x5- 3½	2.33
10x16	2-10½x5-11½	2.84
12x14	3- 4½x5- 3½	2.92
12x16	3- 4½x5-11½	3.31
12x18	3- 4½x6- 7½	3.61



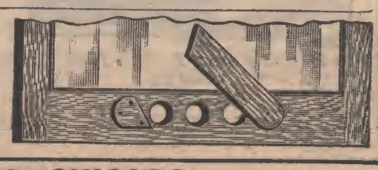
10-G-90 3-Light

3 Light Cottage Front Storm Sash

1⅛ inches thick, made from Clear Soft Pine. Made to order only allow 10 days extra time.

Size of Glass Bottom Inches	Size of Glass Top Inches	Will Fill Opening Width Height ft. in. ft. in.	*No. 10-G-90* Price Glazed
40x42	40x14	3-8x5- 3½	$4.92
40x40	40x16	3-8x5- 3½	4.95
40x44	40x16	3-8x5- 7½	5.34
44x40	44x16	4-0x5- 3½	5.44
44x44	44x16	4-0x5- 7½	5.80
44x48	44x16	4-0x5-11½	5.88
44x46	44x18	4-0x5-11½	6.00
44x50	44x18	4-0x6- 3½	6.34

VENTILATORS—Customers who desire ventilators in the bottom of their storm sash will please specify so on their order and add 15c per sash extra for same.



Harris "Presto-Change" Screen / Storm Doors

Two Doors at The Price of One
Quickly and Easily Changed to a Storm Door in Winter—a Screen Door in Summer

"LEADER"—10G1753

These are genuine "Presto-Change" combination doors with the patented quick change locking device, rattle and fool-proof, not the kind of doors where sections are fastened with hooks and eyes. Our splendid combination doors feature latest and best construction—tight joints smoothly sanded. Cost no more, but are much better. Once hung always hung—no tools needed to make change.

Our Combination Doors have reduced the changing time to a few minutes, and it is so simple that a child can make the change. Cannot be tampered with from outside.

The removable sections and openings in door are both rabbetted so that when section is in place there is a double lap joint which, together with improved patented fasteners, makes the door dustproof and weather-proof. **Patented Quick Change Locking Device. Our improved patented** fastener holds the sections securely in place—fly-proof, dust and weather-proof. Doors are quickly changed within a few moments.

Furnished Complete as shown with Glazed Storm and Wired Screen Sections.

The door is hung like any regular door—once hung always hung

To change merely turn four fasteners, take out storm section and put in screen section

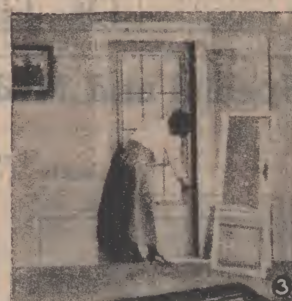
"FAVORITE"—10G1751

"Leader" Door

Made of White Pine Lumber. The opening for the storm and screen sections is 43⅜ inches high in all width doors. The storm section is divided into four (4) lights, and is glazed, while the Screen Section is covered with standard mesh Black Wire. We carry these doors in stock PAINTED GRAY ONLY. 1⅛ inch thick. Weight 70 lbs.

Prices of "Leader" "Presto-Change" Door

Regular Door Size ft. in. ft. in.	Presto-Change Door Size ft. in. ft. in.	Price, each Painted Gray **10-G-1753**
2- 6x6- 6	2- 6¾x6- 7½	**$5.83**
2- 8x6- 8	2- 8¾x6- 9½	**5.98**
2- 8x7- 0	2- 8¾x7- 1½	**6.08**
2-10x6- 8	2-10¾x6- 9½	**6.18**
2-10x6- 10	2-10¾x6-11½	**6.22**
2-10x7- 0	2-10¾x7- 1½	**6.26**
3- 0x6- 8	3- 0¾x6- 9½	**6.43**
3- 0x7- 0	3- 0¾x7- 1½	**6.48**



No lost screws, hinges or unsightly screw holes from hanging separate storm and screen doors

"Favorite" Door

"FAVORITE" and "SUPREME" are made of CLEAR WHITE PINE 1⅛ in. thick. **Galvanized screen** wire is used on screen section. Storm sections glazed with best grade of putty. The opening for the storm and screen sections is 4 feet 8½ inches high in all size doors. Weight 75 lbs.

Prices of "Favorite" Presto-Change Door

Regular Door Size ft. in. ft. in.	Presto Change Door Size ft. in. ft. in.	Price, each Natural Wood **10-G-1751**
2- 8x6- 8	2- 8¾x6- 9½	**$6.94**
2- 8x7- 0	2- 8¾x7- 1½	**7.04**
2-10x6- 8	2-10¾x6- 9½	**7.09**
2-10x6-10	2-10¾x6-11½	**7.13**
2-10x7- 0	2-10¾x7- 1½	**7.17**
3- 0x6- 8	3- 0¾x6- 9½	**7.43**
3- 0x7- 0	3- 0¾x7- 1½	**7.48**

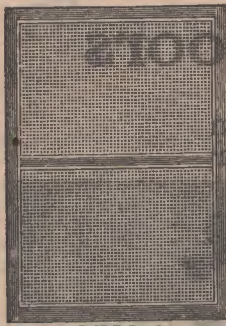
"SUPREME"—10G1750

"Supreme" Door

Prices of "Supreme" Presto-Change Door

Regular Door Size ft. in. ft. in.	"Supreme" Door Size ft. in. ft. in.	Price, each Natural Wood **10-G-1750**
2- 8x6- 8	2- 8¾x6- 9½	**$6.78**
2- 8x7- 0	2- 8¾x7- 1½	**6.87**
2-10x6- 8	2-10¾x6- 9½	**6.93**
2-10x6-10	2-10¾x6-11½	**7.02**
2-10x7- 0	2-10¾x7- 1½	**7.05**
3- 0x6- 8	3- 0¾x6- 9½	**7.25**
3- 0x7- 0	3- 0¾x7- 1½	**7.29**

Interchangeable section easy to put away for the winter or summer—can be stored in a closet



Full Height Window Screens

GUARANTEED QUALITY **(See Page No. 36 for Stock Porch Screens)**

Our screens are made of CLEAR WHITE PINE lumber. Carried in stock in **first quality galvanized wire, No. 14 mesh.** Painted a good coat of black paint and are ready to install. You do not have the additional expense and muss of painting them. See specifications below.

READ ☛ **Why Our Screens Are Better**

HOW TO MEASURE

Screens listed below are FULL HEIGHT; by that is meant they cover the whole window. **Take a rule and measure the "width" first and the "height" second of the Window frame into which you want your screens to fit—ALWAYS GIVING "WIDTH" FIRST AND "HEIGHT" SECOND.**

SPECIFICATION

Full size screens listed below, and any that may be made to order, are made of clear WHITE PINE LUMBER, 1⅛ inch thick, side members 2 inches wide, top members 2 inches wide, bottom member 3 inches wide, center bar 1⅛ inch x 1⅛ inch.

Ours is a moulded screen; that is—the woodwork is neatly moulded so the finished product is much superior in appearance to the ordinary square stock screen. Our black wire is best quality black, standard mesh. Galvanized wire is Electro-Galvanized 14 mesh. Copper bronze wire is 16 mesh.

We "drum" stretch all our wire with patented stretching machines and fasten same with "Acme" galvanized staples. These staples hold down three to four mesh each and are much superior to ordinary tacks.

All our screens are shipped painted one coat black. Galvanized and Copper Bronze wire screens can, however, be furnished unpainted at the same price, if specially so ordered by customers who expect to paint their screens a color other than black. A variance of ⅛ inch over in size permitted in screens.

Size of Screen Over All Measurement	Black Wire Standard ***10-G-527***	Galv. Wire 14 mesh ***10-G-528***	Copper Wire 16 mesh ***10-G-529***
Width Ht. Ft. In. Ft. In.	Price Each	Price Each	Price Each
1- 4x3-11½	$0.98	$1.08	$1.70
1- 4x4- 7½	1.04	1.15	1.80
1- 4x4-11½	1.10	1.21	1.90
1- 4x5- 3½	1.12	1.23	1.95
1- 4x5- 7½	1.15	1.27	2.00
1- 6x3-11½	1.01	1.11	1.75
1- 6x4- 7½	1.10	1.21	1.90
1- 6x5- 3½	1.18	1.30	2.05
1- 8x3-11½	1.07	1.18	1.85
1- 8x4- 7½	1.15	1.27	2.00
1- 8x4-11½	1.18	1.30	2.05
1- 8x5- 3½	1.24	1.37	2.15
1- 8x5- 7½	1.27	1.40	2.20
1-10x3-11½	1.10	1.21	1.90
1-10x4- 7½	1.18	1.30	2.05
1-10x4-11½	1.24	1.37	2.15
1-10x5- 3½	1.30	1.43	2.25
1-10x5- 7½	1.33	1.46	2.30
2- 0x3-11½	1.15	1.27	2.00
2- 0x4- 3½	1.18	1.30	2.05
2- 0x4- 7½	1.24	1.37	2.15
2- 0x4-11½	1.30	1.43	2.25
2- 0x5- 3½	1.35	1.49	2.35
2- 0x5- 7½	1.38	1.52	2.40
2- 1x3-11½	1.15	1.27	2.00
2- 1x4- 7½	1.27	1.40	2.20
2- 1x4-11½	1.30	1.43	2.25
2- 1x5- 3½	1.35	1.49	2.35
2- 1x5- 7½	1.41	1.55	2.45

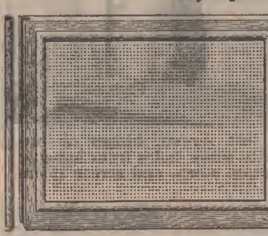
Be Sure to Specify Kind of Wire

Size of Screen Over All Measurement	Black Wire Standard ***10-G-527***	Galv. Wire 14 mesh ***10-G-528***	Copper Wire 16 mesh ***10-G-529***
Width Ht. Ft. In. Ft. In.	Price Each	Price Each	Price Each
2- 2x3-11½	$1.18	$1.30	$2.05
2- 2x4- 7½	1.30	1.43	2.25
2- 2x4-11½	1.35	1.49	2.35
2- 2x5- 3½	1.41	1.55	2.45
2- 2x5- 7½	1.44	1.59	2.50
2- 4x3- 7½	1.18	1.30	2.05
2- 4x3-11½	1.24	1.37	2.15
2- 4x4- 3½	1.30	1.43	2.25
2- 4x4- 7½	1.35	1.49	2.35
2- 4x4-11½	1.41	1.55	2.45
2- 4x5- 5½	1.47	1.62	2.55
2- 4x5- 7½	1.50	1.65	2.60
2- 4x5-11½	1.56	1.72	2.70
2- 5x3-11½	1.24	1.37	2.15
2- 5x4- 7½	1.35	1.49	2.35
2- 5x4-11½	1.41	1.55	2.45
2- 5x5- 3½	1.47	1.62	2.55
2- 5x5- 7½	1.53	1.68	2.65
2- 5x5-11½	1.58	1.74	2.75
2- 6x3- 3½	1.18	1.30	2.05
2- 6x3-11½	1.27	1.40	2.20
2- 6x4- 3½	1.35	1.49	2.35
2- 6x4- 7½	1.38	1.52	2.40
2- 6x4-11½	1.44	1.59	2.50
2- 6x5- 3½	1.50	1.65	2.60
2- 6x5- 7½	1.56	1.72	2.70
2- 6x5-11½	1.61	1.77	2.80
2- 8x3-11½	1.33	1.46	2.30
2- 8x4- 7½	1.44	1.59	2.50
2- 8x4-11½	1.50	1.65	2.60
2- 8x5- 3½	1.56	1.72	2.70
2- 8x5- 7½	1.61	1.77	2.80

Size of Screen Over All Measurement	Black Wire Standard ***10-G-527***	Galv. Wire 14 mesh ***10-G-528***	Copper Wire 16 mesh ***10-G-529***
Width Ht. Ft. In. Ft. In.	Price Each	Price Each	Price Each
2- 9x3-11½	$1.32	$1.45	$2.30
2- 9x4- 3½	1.38	1.52	2.40
2- 9x4- 7½	1.47	1.62	2.55
2- 9x4-11½	1.53	1.68	2.65
2- 9x5- 3½	1.59	1.75	2.75
2- 9x5- 7½	1.64	1.80	2.85
2- 9x5-11½	1.70	1.87	2.95
2- 9x6- 3½	1.76	1.94	3.05
2- 9x6- 7½	1.82	2.00	3.15
2-10x4- 7½	1.50	1.65	2.60
2-10x4-11½	1.56	1.72	2.70
2-10x5- 3½	1.61	1.77	2.80
2-10x5- 7½	1.67	1.84	2.90
2-10x5-11½	1.76	1.94	3.05
3- 0x4- 7½	1.56	1.72	2.70
3- 0x4-11½	1.61	1.77	2.80
3- 0x5- 3½	1.67	1.84	2.90
3- 0x5- 7½	1.73	1.90	3.00
3- 0x5-11½	1.82	2.00	3.15
3- 4x4- 7½	1.61	1.77	2.80
3- 4x4-11½	1.70	1.87	2.95
3- 4x5- 3½	1.79	1.97	3.10
3- 4x5- 7½	1.84	2.03	3.20
3- 4x5-11½	1.93	2.12	3.35
3- 8x4- 7½	1.73	1.90	3.00
3- 8x4-11½	1.79	1.97	3.10
3- 8x3- 3½	1.87	2.06	3.25
3- 8x5- 7½	1.96	2.16	3.40
3- 8x5-11½	2.02	2.22	3.50
4- 0x5- 3½	2.05	2.26	3.55
4- 0x5- 7½	2.13	2.34	3.70

Special and Made to Order Screens; All Kinds Made in Our Own Shops—Clear White Pine Lumber

All screens painted black but we will furnish in natural wood same price if so ordered
If you cannot use the stock sizes offered above you can order your screens at the special prices listed below



"Sliding" Half Height Screens
(Not Adjustable)

For half height sliding window screens, measure the width between blind stops (the outside wood strips that hold the upper sash in place). The height measure should be the distance from the sill to the top sash at the point where the glass joins the wood. These screens are not carried in stock but made to order only. They are made from clear WHITE PINE LUMBER; 1 inch stock finished ¾ inch net. Tenoned and mortised joints, mitred moulding, drum stretched wire and tacked with "Acme" galvanized staples. A real screen.

Enlarged cut of slide rail and slide.

Price includes "slide" or tongue strips, which are nailed on the blind stop, and go into the groove so that you can raise and lower the screen.

WHEN GIVING MEASUREMENTS ALWAYS GIVE WIDTH FIRST!

Over All SIZE	Standard Black Wire	14 Mesh Galv. Wire	16 Mesh Copper Bronze Wire
Any Size up to and including	***10-G-507*** Price Each	***10-G-508*** Price Each	***10-G-509*** Price Each
2'0" x 2'6"	$0.98	$1.06	$1.70
2'6" x 3'0"	1.15	1.28	2.00
3'0" x 3'0"	1.32	1.45	2.25
3'6" x 3'0"	1.45	1.62	2.50
4'0" x 3'6"	1.53	1.70	2.60

Please note: When ordering special or made to order screens always give the WIDTH FIRST, HEIGHT NEXT AND THEN THICKNESS. Made to order or special screens are not subject to cancellation or exchange.

Special Size Full Height Window Screens

Special sizes other than those listed above will be made to order of the same kind of material and manufactured so that all screens will match, AT 35c EXTRA PER SCREEN, to be added to the price of the next largest stock size screen listed above.

PORCH SCREENS LARGER THAN STOCK SIZES LISTED ON PAGE 36

Porch screens to match our regular stock sizes and quality will be made to order at the following prices: **1⅛ inches THICK.**

CAT. NO.	KIND OF WIRE	Price per sq. ft.
10-G-557	Standard Black	14c
10-G-558	14 Mesh Galvanized	15c
10-G-559	16 Mesh Cop. Bronze	23c

NO PORCH SCREEN MADE FOR LESS THAN **$1.50**

Porch Screens shorter than six foot use price of full height window screens per above, but specify for porch.

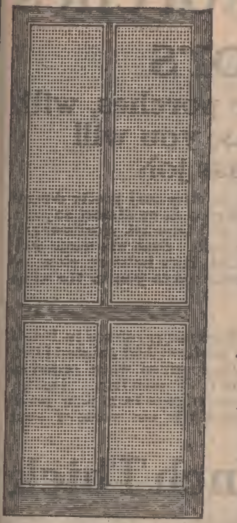
CELLAR and TRANSOM SCREENS

Cellar and Transom Screens to match our stock size and quality Screens will be made to order at the following prices: **1⅛ inches THICK.**

Over all Size	Standard Black Wire	14 Mesh Galvanized Wire	16 Mesh Cop. Bronze Wire
Any Size up to and including	***10-G-517*** Price each	***20-G-518*** Price each	***10-G-519*** Price each
3'0" x 2'0"	$1.10	$1.20	$1.80
3'0" x 3'0"	1.50	1.65	2.60

ALWAYS GIVE WIDTH FIRST

SCREEN DOORS: FINEST DOORS MADE



Your Choice of Black, Galvanized or Copper Bronze Wire

Be Sure and specify the kind of wire when ordering

All screen doors are made "oversize" to allow for fitting

"FLORIDA" SCREEN DOOR

Made of clear WHITE PINE LUMBER, 1⅛ inches thick, clear and free of all defects. All joints mortised, tenoned, pinned and glued. Wire is drum stretched and securely tacked. Framework neatly moulded and painted with one coat of good black paint. Door is ready to fit and hang and you are saved the expense and muss of painting.

Size of Door Width Ht. Ft.In. Ft.In.	Standard Black Wire *10-G-537* Price Each	14 Mesh Galv. Wire *10-G-538* Price Each	16 Mesh Copper Wire *10-G-539* Price Each
2– 6½x6– 7½	$2.70	$3.24	$4.32
2– 8½x6– 9½	2.81	3.37	4.50
2–10½x6– 9½	2.91	3.49	4.66
2–10½x6–11½	2.96	3.55	4.74
2– 8½x7–1½	2.93	3.52	4.69
2–10½x7–1½	3.05	3.66	4.88
3– 0½x7–1½	3.10	3.72	4.96

Door *10-G-538* is our Stock Door

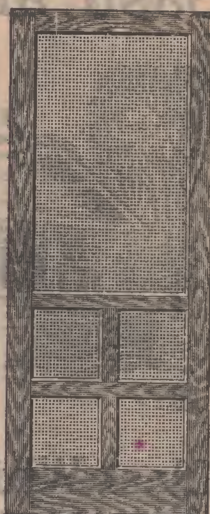
"FLORIDA" *10-G-538*

"MOBILE" SCREEN DOOR

Made of clear WHITE PINE LUMBER, 1⅛ inches thick, no knots or defects, best workmanship. Joints mortised, tenoned, glued and pinned. Wire is drum stretched and securely tacked. Framework is neatly moulded and covered with two coats of waterproof varnish—over the natural wood finish. No additional paint or varnish is necessary. Doors are ready to fit and hang.

Size of Door Width Ht. Ft.In. Ft.In.	Standard Black Wire *10-G-567* Price Each	14 Mesh Galv. Wire *10-G-568* Price Each	16 Mesh Copper Wire *10-G-569* Price Each
2– 6½x6– 7½	$3.46	$3.76	$4.89
2– 8½x6– 9½	3.50	3.90	5.07
3– 0½x6– 9½	3.93	4.22	5.49
2–10½x6–11½	3.77	4.10	5.33
2– 8½x7– 1½	3.72	4.04	5.25
2–10½x7– 1½	3.84	4.17	5.42
3– 0½x7– 1½	3.93	4.27	5.55

Door *10-G-568* is our Stock Door



"MOBILE" *10-G-568*

MODERN ART GLASS

In selecting art glass be careful to choose a shape and design of the same proportion as the opening.

Do not pick out a high narrow design for a wide opening or a wide design for a high narrow opening.

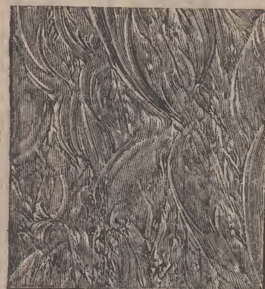
10-G-702

Double strength Florentine design frosted glass per square foot............**25¢**

Three square feet is the minimum order that we can handle to advantage for you. For sizes under 3 square feet, a minimum of 3 square feet will be charged.

10-G-704

Double strength chipped design frosted glass per square foot....................**45¢**



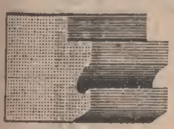
10-G-1541. Leaded clear sheet crystal glass per square foot..............................**95c**

10-G-1548. Leaded clear sheet crystal glass per square foot............................**95c**

10-G-1550. Beautiful leaded beveled plate glass per square foot...........................**$2.60**

Green House Sash Bars

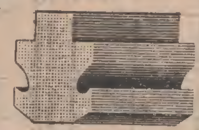
CLEAR WHITE PINE



END SASH BAR

10-G-8436

Used at end. Has only one square shoulder for glass to rest upon. Size 1⅜x2½. Price 100 running feet........**$5.20**



INSIDE SASH BAR

10-G-8435

Used between Glass. Size, 1⅜x2½. Price, per 100runningfeet.**$5.20**

Hot Bed Glass!

High Grade Greenhouse and Hotbed Glass packed expressly for our trade. The sizes listed below represent only a few of the best sellers. We carry a large stock of glass for prompt shipment. Get our prices before you buy.

Standard quality. Large stock on hand. Packed strong. Safe delivery guaranteed.

Lot Number	Size Inches	Price Per Box	No. Lights in Box
10-G-1707.	7x 9	$3.85	114
10-G-1708.	8x10	3.89	90
10-G-1709.	9x12	3.93	67
10-G-1710.	10x14	3.98	51
10-G-1711.	16x18	4.53	25

Hot Bed Sash

Regular and Garden Sizes

CLEAR WHITE PINE

Improved 4 Row Type

Featuring:

Four rows of glass.

Extra strong bars.

All joints extra strong, mortised and tenoned.

Standard size glass (costs less to replace).

Glass set by hand.

Best linseed oil putty.

Large triangular zinc glazing points.

Extra size tacks to hold glass in place.

Extra deep rabbet.

Wood—Clear, well seasoned, close-grain White Pine.

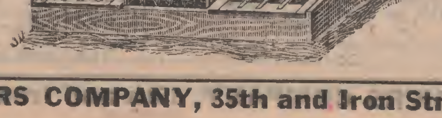
Strengthened by heavy brads.

Largest number of strength-giving qualities.

Smallest number of shadow-casting bracing devices.

Quick shipment from Chicago.

Strength Guaranteed



HOT BED SASH

Regular Size

3 feet by 6 feet by 1⅜ inch thick

10-G-1705. Open. No glass. Each..**$1.76**

10-G-1702. Glazed. Each.......... **3.55**

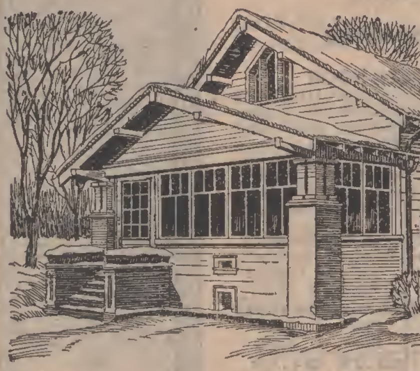
Garden Size

3 feet by 3 feet by 1⅜ inch thick

10-G-1758. Open. No glass. Each.**$1.38**

10-G-1755. Glazed. Each.......... **2.22**

Sash and Screens for Enclosed Porches and Sun Parlors



Build your own enclosed all weather porches, with our standard size sash and screens, you will save half and make a first class job

Here, Mr. Handy Man, is a chance for you to get a large variety in sizes and pretty designs of porch sash. Just think of it—16 sizes to select from, will make a good fit on almost any size porch. These sash are best quality, made of CLEAR WHITE PINE well tenoned, mortised and pinned, just the same as all our high grade regular windows and storm sash. Sash are made with 2-inch face top rail, 2-inch face side stile and 3-inch face bottom rail, all bars between glass are ½ inch. Thickness, 1⅛ inches. All sash are smoothly sanded and shipped to you in the white (natural wood).

Porch Screens for Same

Screens are made in same standard sizes and quality as porch sash. Screens are offered in Black. Galvanized and Copper wire. Frame made of clear White Pine and will be furnished painted black (for your convenience) unless natural, unpainted, frames are especially specified when ordering. It is a simple task to build porch frames, fit both the sash, and screens to fill openings. Do the work in leisure time and save half the cost; get wonderful comfort and convenience from your porch by having it glazed in winter and screened in summer. It will add greatly to the value of your property.

Clear White Pine Porch Sash and Screens—1⅛ Inch Thick

10-G-1231

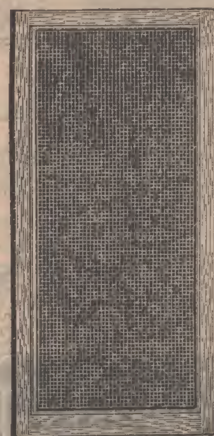
6 Light Porch Sash

10-G-1230

5 Light Porch Sash

10-G-1234

4 Light Porch Sash



10-G-1237-8-9

1 Light Porch Screens

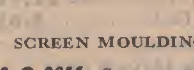
PORCH SASH Outside Measure Width Height Ft. In. Ft. In.	6 Light Porch Sash ***10-G-1231*** Price, Each Glazed	5 Light Porch Sash ***10-G-1230*** Price, Each Glazed	4 Light Porch Sash ***10-G-1234*** Price, Each Glazed
2-0 x 4-0	$1.76	$1.91	$1.74
2-2 x 4-0	2.02	2.10	1.94
2-4 x 4-0	2.10	2.18	2.09
2-6 x 4-0	2.30	2.44	2.19
2-0 x 4-6	1.98	2.13	1.92
2-2 x 4-6	2.16	2.28	2.05
2-4 x 4-6	2.22	2.34	2.25
2-6 x 4-6	2.46	2.61	2.29
2-0 x 5-0	2.11	2.31	2.09
2-2 x 5-0	2.34	2.51	2.23
2-4 x 5-0	2.40	2.57	2.40
2-6 x 5-0	2.60	2.85	2.62
2-0 x 5-6	2.21	2.46	2.12
2-2 x 5-6	2.35	2.67	2.37
2-4 x 5-6	2.53	2.76	2.56
2-6 x 5-6	2.67	3.02	2.81

PORCH SCREENS Outside Measure Width Height Ft. In. Ft. In.	PORCH SCREENS ***10-G-1237*** Black Wire Standard	PORCH SCREENS ***10-G-1238*** Galv. Wire 14 Mesh	PORCH SCREENS ***10-G-1239*** Copper Wire 16 Mesh
2-0 x 4-0	$1.15	$1.27	$2.00
2-2 x 4-0	1.21	1.30	2.05
2-4 x 4-0	1.26	1.37	2.15
2-6 x 4-0	1.35	1.40	2.20
2-0 x 4-6	1.21	1.37	2.15
2-2 x 4-6	1.26	1.43	2.25
2-4 x 4-6	1.32	1.49	2.35
2-6 x 4-6	1.35	1.52	2.40
2-0 x 5-0	1.32	1.43	2.25
2-2 x 5-0	1.37	1.49	2.35
2-4 x 5-0	1.43	1.55	2.45
2-6 x 5-0	1.46	1.59	2.50
2-0 x 5-6	1.35	1.52	2.40
2-2 x 5-6	1.40	1.59	2.50
2-4 x 5-6	1.46	1.65	2.60
2-6 x 5-6	1.51	1.72	2.70

Weight average 25 lbs. per sash. Special sash of all kinds made to order. For prices on special size screens see page 34. Weight average 10 lbs.. per screen.

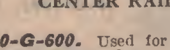
Clear White Pine Window Screen Frame Material

For the man who makes his own screens



SCREEN MOULDING

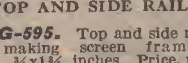
10-G-8611. Screen moulding for covering screen wire where it is nailed to edges of stiles and rails. Size, ¼x⅝ inches. Price, per lineal foot........**1c**



CENTER RAIL

10-G-600. Used for center rail of screen frames. Size, ¾x1⅛ inches. Price, per lineal foot....................**1½c**

Size, 1⅛x1⅛ inches Price, per lineal foot.................**2c**



TOP AND SIDE RAIL

10-G-595. Top and side rail for making screen frames. Size, ¾x1¾ inches. Price, per lineal ft..................**2¼c**

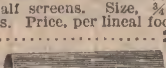
Size, 1⅛x1¾ inches. Price, per lineal foot...............**3½c**

BOTTOM RAIL

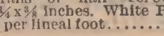
10-G-596. Used for bottom rail of screen frames. Size, ¾x2¾ inches. Price, per lineal foot........................**3c**

(Also used for bottom rail of half screens.)

Size, 1⅛x2¾ inches. Price, per lineal foot. **5c**



10-G-603. Grooved side rails for half screens. Size, ¾x1¾ inches. Price, per lineal foot. **2½c**



SLIDE STRIPS

10-G-602. Slide strips for side rails of half screens. Size, ¼x⅜ inches. White Pine. Price, per lineal foot........**1c**

 HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

A Page for the Handy Man

10-G-201

10-G-204

China Closets and Book Case Doors

In these four designs, we offer a choice from which anyone building a china closet can make a satisfactory selection. No. ***10-G-201*** is a glazed clear glass, and Nos. ***10-G-204*** and ***10-G-202*** are glazed with Leaded Crystal Glass. No. ***10-G-203*** is exceptionally artistic and is a combination of a rich color in the design only, with a clear glass background. Just enough color to make it look pretty and desirable for either china closet or bookcase doors.

Our China Closet Doors are made 1⅛-inch thick and furnished in either clear Pine or Red Oak.

Prices on China Closet Doors
Clear Pine

SIZES	*10-G-201*	*10-G-204*	*10-G-202*	*10-G-203*
1-6x3-0	**$1.02**	**$3.52**	**$3.76**	**$4.26**
1-6x3-4	**2.12**	**3.92**	**4.21**	**4.77**
1-8x3-4	**2.18**	**4.42**	**4.74**	**5.38**
1-6x4-0	**2.33**	**4.75**	**5.10**	**5.78**
1-8x4-0	**2.41**	**5.36**	**5.76**	**6.53**

Shipping Weight 25 Pounds.
For Red Oak Wood add $1.60 extra each Door.
Please Note: All Glass in the above doors set in with wood stops, making the finest door possible.

10-G-202

10-G-203

CUPBOARD DOORS

10-G-223

Our Cupboard Doors are of the neatest design and excellent workmanship. These doors are manufactured from the finest grade of seasoned lumber. With these doors it will be very easy to construct an excellent design of cabinet and the cost of the entire cabinet can thus be kept within a very low figure. The doors are made with Clear White Pine stiles and rails; with beautifully grained Fir panels. We carry these doors in stock, ¾ in. thickness only. Special sizes and thickness to order.

SIZES Width Height Ft. In. Ft. In.	*10-G-223* Price, Each ¾ Inch Thick
1-6 x 2-0	**$0.96**
1-6 x 2-6	**1.22**
1-6 x 3-0	**1.31**
1-6 x 4-0	**1.65**
1-8 x 2-6	**1.28**
1-8 x 4-0	**1.77**

Average shipping weight 15 lbs.

FIR PANELS

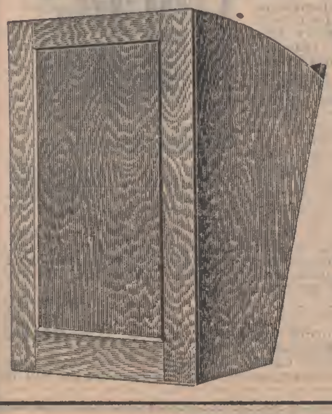
10-G-550 The beautifully figured slash grain Pacific Coast Fir makes the finest panels imaginable. Can be stained and finished to imitate oak, walnut and other expensive woods. Fir Panels are laminated, that is, built up 3-ply, with the center layer running crosswise to the face, making them strong and warp-proof, like the panels in our high grade Fir doors. The following table lists the sizes we carry in stock. Prices are for panels with one side sanded ready to finish. For two sides sanded ready to finish, add 50 per cent, or half more to prices. Our Panels are cut evenly and to correct size. **WRITE FOR FREE SAMPLE.**

10-G-550

Size, Inches	Price, Each	Size, Inches	Price, Each
12 x 48	**$0.48**	12 x 60	**$0.60**
16 x 48	**.65**	16 x 60	**.80**
18 x 48	**.72**	18 x 60	**.90**
20 x 48	**.93**	20 x 60	**1.05**
24 x 48	**1.04**	24 x 60	**1.25**

FLOUR BINS

Make Your Own Kitchen Cabinet



Just the thing to use for the construction of kitchen cabinet or pantry cupboard. It is a tilting flour bin made of selected wood, clear yellow pine face.

When ordered "Knock Down" all material is shipped, smoothed and ready to put together, but is shipped to you knocked down.

The bin is so arranged that it can be fastened at the bottom with small loose bin butts, giving it an excellent tilt arrangement and yet making it possible to take it out of the cabinet for cleaning and airing.

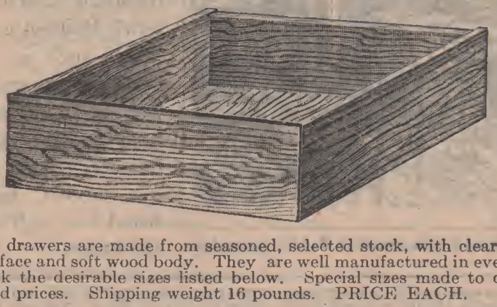
These bins are made 2 ft. 6 in. high, 1 ft. 6 in. wide, 9 in. deep at the bottom and 17 in. at the top.

10-G-882 Price in the Knock Down, clear Yellow Pine..**$4.80**

10-G-883 Price Set Up, clear Yellow Pine..............**$5.60**

Shipping Weight 38 Pounds.

SEPARATE DRAWERS



These drawers are made from seasoned, selected stock, with clear Yellow Pine lip face and soft wood body. They are well manufactured in every way. We stock the desirable sizes listed below. Special sizes made to order at advanced prices. Shipping weight 16 pounds. PRICE EACH.

Width Ft. In.	Height Inches	Depth Inches	*10-G-879* Yellow Pine Ready to set up	*10-G-880* Yellow Pine Assembled
1-5	4¾	18	**$1.05**	**$1.40**
3-0	6¾	18	**1.95**	**2.35**

Attractive Bookcase Colonnades

Made of Clear Beautifully Grained Lumber

A Colonnade adds more to the appearance of a home than any other piece of millwork we know of, and the Bookcase Colonnade we offer you at the left almost invites you to select a book, draw up an easy chair and make yourself comfortable.

With a colonnade of this kind it is possible to have the spaciousness of two large rooms, yet the feeling of privacy resulting from individual rooms. Also when this kind of a colonnade is used to separate the dining room and living room you can reverse the colonnade and use the cases for china closets.

Built-in cabinets of this kind are becoming very essential in the modern home. This colonnade can be used in a house already built, as well as in a new home, as very little labor is necessary to install it.

Special walls are not needed. Cases are made so that they can be trimmed to fit against a wall of any thickness, having a false side to be fitted against the jamb.

A View of Colonnade at Left Installed

Specifications: Made from clear, thoroughly kiln dried lumber, free from defects. Best of workmanship. Suitable for openings 7 feet to 12 feet in width and up to 8 feet high. The columns are 6 inches square and slightly tapered towards the top. Pedestals are 2 feet wide by 4 feet 2 inches high. Countershelf, or boards that columns rest on, is 12 inches wide. The inside depth of case is 8 inches. Reverse sides and inside ends are neatly panelled. Doors are glazed with Clear Crystal Leaded Glass and glass is held in place by wood stops. Only the best of glaziers metal is used in our leaded glass doors.

Shipped in the "white" (not stained or varnished), sanded ready for finishing. Cases are completely assembled ready to put in place except no hardware is included. Columns are also assembled, but are shipped separate so that they can be cut down on the job, and a perfect fit may be had for any height opening up to 8 feet. Casing, cap trim and jambs for around cased opening itself are not included.

10-G-1927	Clear Yellow Pine	**$39.15**
10-G-1928	Clear Red Oak	**46.90**
10-G-1929	Clear Birch (Birch made to order only)	**53.60**

Shipping weight about 200 lbs.

Hardware for the above, $1.60 additional. Can be furnished in either lemon brass or antique copper finish. Unless specified to the contrary, antique copper will be shipped.

Jambs and trim for around opening itself is not included in colonnade prices. For houses already built, these items are not required. For new homes, we will furnish a set of jambs for standard 2x4-s studdings for openings up to 9 feet wide and 8 feet high, also necessary cap trim and casing to match any style trim illustrated and described on Pages 26 and 27, at the following prices:

10-G-1925-T	Colonnade trim, Clear Yellow Pine	**$ 5.25**
10-G-1926-T	Colonnade trim, Clear Red Oak	**10.75**

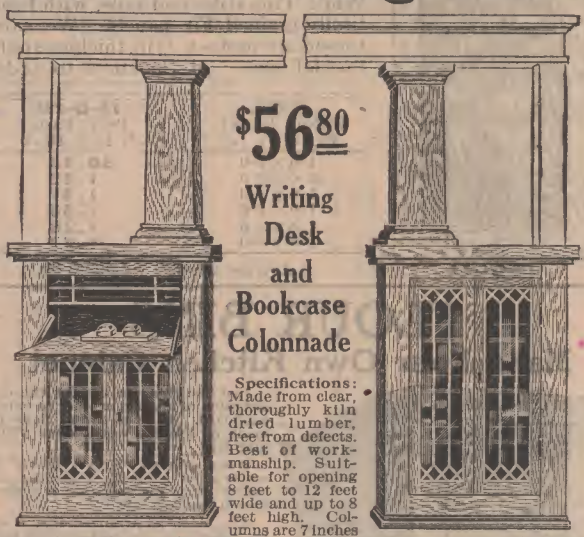
When ordering be sure to specify what style of trim is desired.

Bookcase Colonnade With Writing Desk

This colonnade has all the features offered in the above colonnade, with the additional conveniences of a complete built-in writing desk. A colonnade utilizes otherwise wasted space and this one eliminates the expense of purchasing a separate writing desk and book case. The writing desk folds up out of the way when not in use.

Our low prices on these colonnades place them within easy reach of every one. Why not dress up your home by installing a colonnade now? Built-in conveniences such as these, are permanent and last as long as the home itself. This colonnade, as well as the one above, can be fitted to a wall of any thickness.

A View of Colonnade at Right Installed



Specifications: Made from clear, thoroughly kiln dried lumber, free from defects. Best of workmanship. Suitable for opening 8 feet to 12 feet wide and up to 8 feet high. Columns are 7 inches square and slightly tapered to the top. Pedestals are 2 feet 6 inches wide by 4 feet 2 inches high. Counter shelf, or board that the columns rest on, is 14 inches wide. Cases are 10 inches deep inside. Reversed side of pedestals are neatly panelled. Inside ends are also panelled. Doors are glazed with leaded crystal glass and held in place with wood stops. Only the best of glaziers' metal is used.

Shipped in the "white" (not stained or varnished), sanded, ready for finishing. Cases are completely assembled, except no hardware is included. Columns and pedestals are shipped separate and columns can be cut down on the job, so that a perfect fit can be had for any height opening up to 8 feet. Casing, cap trim and jambs for around cased opening itself are not included.

10-G-1925	Clear Yellow Pine	**$56.80**
10-G-1926	Clear Red Oak	**63.20**
10-G-1924	Clear Birch (Made to order only)	**68.00**

Shipping weight about 250 lbs.

Hardware for the above $2.70 additional. Can be furnished in either lemon brass or antique copper finish. Unless specified to the contrary, antique copper will be shipped.

Jambs and trim for around opening itself is not included in colonnade prices. These items are not required where houses are already built. For new homes, we will furnish a set of 5¼ inch jambs (for standard 2x4's studs) for openings up to 9 feet wide and 8 feet high, also necessary cap trim and casing to match any style trim, illustrated and described on Pages 26 and 27, at the following prices:

10-G-1927-T	Colonnade trim, Clear Yellow Pine	**$ 5.25**
10-G-1928-T	Colonnade trim, Clear Red Oak	**10.75**

When ordering be sure to specify what style of trim is desired.

Built-in Bookcase and Mantel Shelf

COMFORT Built-in Bookcase. *No. 10-G-2105.*

What is more appropriate and pleasing than a combination of fireplace and bookcase. Our "Comfort" built in bookcase and mantel shelf is designed so that bookcases can be either built in or set flush against the wall. The mantel shelf extends across the entire room forming an ideal place on which to place photographs, vases, and other ornaments.

The doors in the bookcases are divided with wood bars and glazed with clear plain glass, which is held in place by wood stops. The bookcases are 54 inches in height and the inside depth is 10 inches. The width of each bookcase depends entirely upon the size of the room and the width of the fireplace. For the average room they will measure about 36 inches to 42 inches in width. The face of the mantel shelf is 2¾ inches high and projects over the bookcases and fireplace. The neat brackets support the mantel shelf and make a very attractive design. The bookcases are equipped with three adjustable shelves.

These bookcases and mantel shelves are made to order; therefore, allow two to three weeks extra time. Special designs of all kinds can be furnished at proportionate prices.

All bookcases and mantel shelves shipped in the "white," natural wood, sanded ready for finishing; assembled ready to put in place, except they will be shipped separately, making it convenient to install the same.

NOTE: These prices are for woodwork only, as illustrated, and do not include tile, brickwork or hardware..

SIZES AND PRICES

Price: Consisting of two Bookcases and one Mantel Shelf, as shown in illustration. No hardware, tile, etc., included.

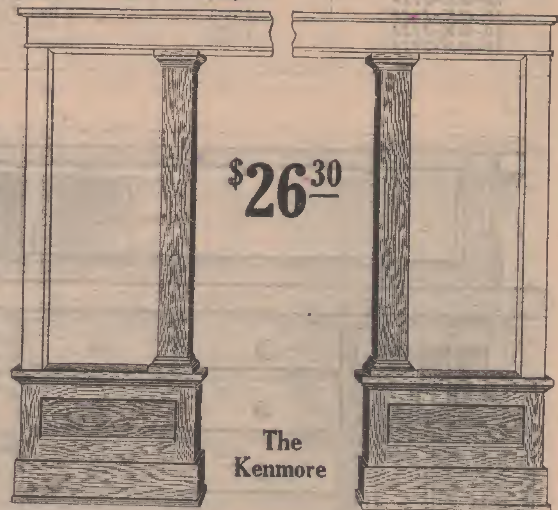
COMFORT *10-G-2105* 2 Bookcases and Mantel Shelf for Rooms	Price, made of Clear Yellow Pine Doors, Glazed Clear Plain Glass	Price, made of Red Oak or Unselected Birch Doors, Glazed Clear Plain Glass
10 feet wide, or less	$77.10	$87.00
12 feet wide, or less	78.70	88.50
14 feet wide, or less	80.55	89.85
16 feet wide, or less	82.20	91.40

NOTE: When ordering give width of entire room, width, depth and height of fireplace. Please send a pencil sketch with order.

Impressive Colonnades of Quality

For openings 7 foot or wider. Made from specially selected clear, kiln dried Oak, Yellow Pine or Birch, free from defects. Prices do not include baseboard, casing or cap trim.

These items should be ordered separately to match the balance of trim in your home.



Pedestals or bases are 2 foot wide, 2 foot high and 11½ inches deep. Countershelf, or board that the columns rest on, is 14 inches wide. Pedestals are built to fit around standard 5¼ inch jambs. Columns are 6 inches in diameter and have plain turned wood caps and base, as illustrated. Colonnades are shipped assembled, in the "white," natural wood, ready to put in place, except columns are shipped separate so that they can be cut down and fitted on the job. The baseboards, shown in illustration, around the pedestals are not included. It should match the balance of base in the room. Colonnade consists of 2 pedestals and 2 columns with caps and bases.

10-G-1249 Morrison Colonnade for openings 8 feet high or less, Clear Yellow Pine. Price........ **$24.90**

10-G-1252 Morrison Colonnade for openings 8 feet high or less, Clear Red Oak. Price........ **$30.45**

Shipping weight approximately 200 pounds.

Pedestals or bases are 2 foot wide, 2 foot high and 11½ inches deep. Counter shelf, or board that the columns rest on, is 14 inches wide. Pedestals are built to fit around standard 5¼ inch jambs. Columns are 6 inches square and have plain wood caps and base as illustrated. Colonnades are shipped assembled, in the "white," natural wood, ready to put in place, except columns are shipped separate so that they can be cut down and fitted on the job. The baseboards, shown in illustration, around the pedestals are not included. It should match the balance of base in the room. Colonnade consists of 2 pedestals and 2 columns with caps and bases.

10-G-1293 Kenmore Colonnade, for openings 8 feet high or less, Clear Yellow Pine. Price........ **$26.30**

10-G-1294 Kenmore Colonnade, for openings 8 feet high or less, Clear Red Oak. Price........ **$32.45**

Shipping weight approximately 200 pounds.

Birch Colonnades made to order at proportionate prices

Jambs and trim for around opening itself are not included in colonnade price. These items are not required where houses are already built. For new homes we will furnish a set of 5¼ inch jambs (for standard 2 x 4 studs), for openings up to 9 foot wide and 8 foot high, also necessary cap trim, casing, base and base shoe to match any style trim illustrated and described on pages 25, 26 and 27, for the following prices.

10-G-1249-T Colonnade Trim, Clear Yellow Pine........ **$ 6.70**

10-G-1252-T Colonnade Trim, Clear Red Oak........ **13.80**

When ordering be sure to specify what style of trim is desired.

Jambs and trim for around opening itself are not included in colonnade price. These items are not required where houses are already built. For new homes we will furnish a set of 5¼ inch jambs (for standard 2 x 4 studs), for openings up to 9 foot wide and 8 foot high, also necessary cap trim, casing, base and base shoe to match any style trim illustrated and described on pages 25, 26 and 27, for the following prices.

10-G-1249-T Colonnade Trim, Clear Yellow Pine........ **$ 6.70**

10-G-1252-T Colonnade Trim, Clear Red Oak........ **13.80**

When ordering be sure to specify what style of trim is desired.

Splendid Buffets Priced Very Low

THE ASTORIA BUFFET

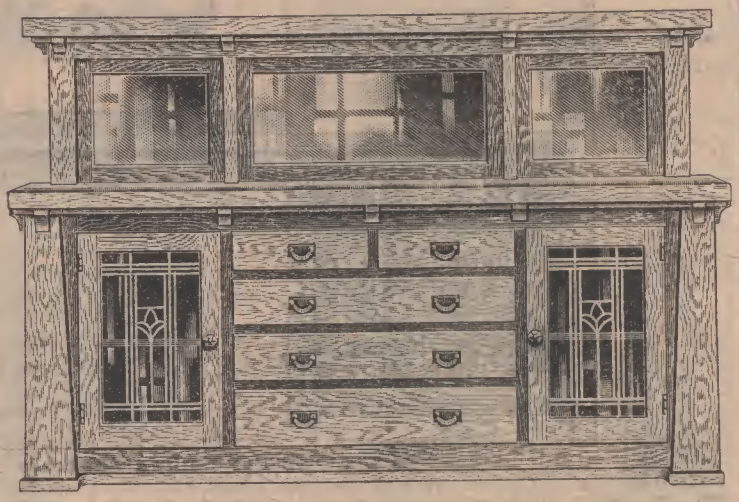
Our Astoria Buffet is a very attractive Colonial design, with plenty of drawer room and two neat cupboards, each equipped with two adjustable shelves for the display and storing of china and glassware. This buffet projects from the wall and can be placed in any house, old or new, without cutting up the wall.

It is a very substantial piece of built-in furniture, which will harmonize with almost any style or period of furniture. Cupboard doors are glazed with leaded glass of a very neat design, the small flower design in the center is of colored glass; the balance is clear crystal glass. The back is fitted with three first quality plate mirrors.

Specifications: Best quality clear kiln dried lumber carefully selected for beauty of grain and finish. This buffet can be had in both six feet and seven feet widths as specified below. It is 18 inches deep from the front to the back. Countershelf projects approximately 3 inches further both ways. Top of back projects approximately 3 inches from the wall. The height from the floor to the top of countershelf is 3 feet 6 inches and the extreme height overall is 5 feet 2 inches.

The sizes offered below are usually carried in stock. Special sizes and cabinets of all kinds made to order.

Only the best of workmanship is permitted. Carefully joined and glued. Shipped assembled, in the "white" or natural wood, carefully sanded, ready for stain and varnish. Hardware not included, as hardware should match that used in the balance of your home. Suitable hardware is listed in the Hardware Section of this book.

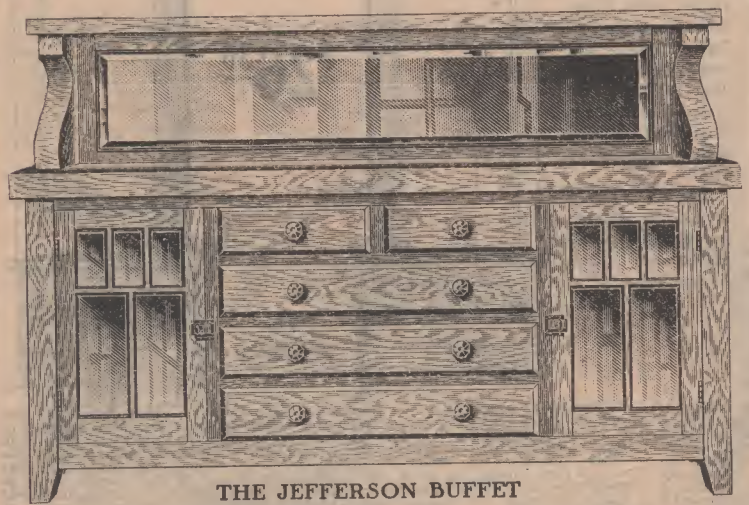


THE ASTORIA BUFFET

For special sizes between those listed take price of next larger size. These prices are for leaded crystal glass doors and plain plate mirrors. For bevel plate mirrors, add $4.50.

PRICES:

Catalog No.	Width	Height, Overall	Depth	Wood	Price
10-GX-2120	6 feet	5 feet 2 inches	18 inches	Yellow Pine	$82.75
10-GX-2121	6 feet	5 feet 2 inches	18 inches	Red Oak	86.00
10-GX-2124	6 feet	5 feet 2 inches	18 inches	Northern Birch	86.75
10-GX-2122	7 feet	5 feet 2 inches	18 inches	Yellow Pine	87.50
10-GX-2123	7 feet	5 feet 2 inches	18 inches	Red Oak	92.50
10-GX-2125	7 feet	5 feet 2 inches	18 inches	Northern Birch	93.25



THE JEFFERSON BUFFET

These prices are for first quality bevel plate mirror and for clear plain glass in the cupboard doors. Can be furnished with leaded crystal glass cupboard doors of the same design as used in our Astoria Buffet for $9.75 extra.

THE JEFFERSON BUFFET

In the Jefferson Buffet we are offering you a buffet that is being used extensively by leading architects in homes of the better class. It is one of the best pieces of built-in furniture we have ever had the pleasure of presenting to the general public. Its symmetrical proportions make it the very acme of good taste.

It is built according to the standards laid down for high grade furniture. Only the best grades of material are used throughout. The lumber is carefully selected and thoroughly kiln dried. Wood dividing bars are used in the cupboard doors, and they are glazed with clear plain glass. The mirror in the back of the buffet is first quality bevel plate.

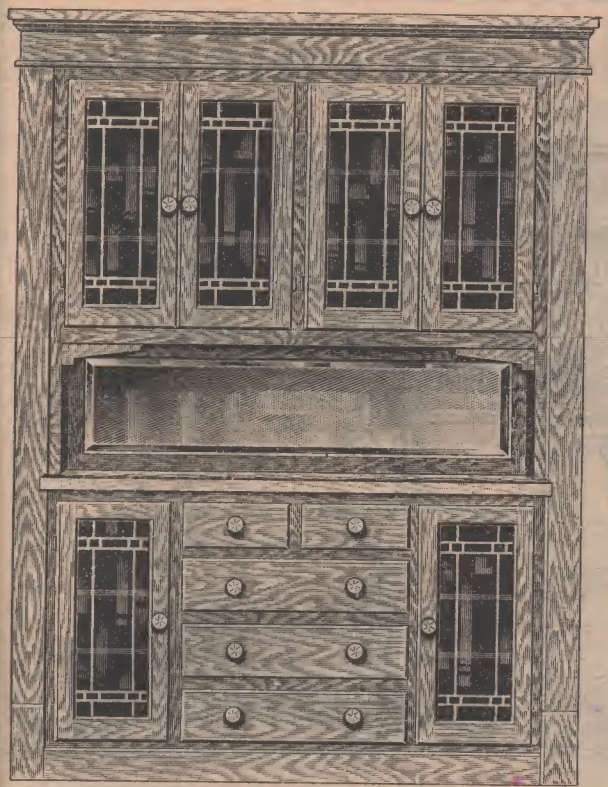
This buffet, like our Astoria buffet, projects from the wall and can be placed in any room with a minimum of effort. Being raised from the floor makes it easy to clean under and where space is limited it can be easily arranged so that the rug can extend underneath if necessary.

Specifications: This buffet is 6 feet wide, and the depth is 16 inches from the front to the back. Countershelf projects 2 inches both ways. The height is 3 feet and 3 inches from the floor to the top of countershelf and the extreme height overall is 4 feet 6 inches. Bevel plate mirror in back is 12 inches high and 62 inches long. Each cupboard is equipped with two adjustable shelves. All buffets are shipped assembled, complete, ready to set in place, except that no hardware or finish material is included. Select hardware from this book to match the balance of your hardware.

PRICES:

Catalog No.	Width	Height, Overall	Depth	Wood	Price
10-G-2201	6 feet	4 feet 6 inches	16 inches	Yellow Pine	$60.50
10-G-2202	6 feet	4 feet 6 inches	16 inches	Red Oak	61.75
10-G-2203	6 feet	4 feet 6 inches	16 inches	Northern Birch	63.75

Dining Room and Kitchen Cabinets



Oakdale

In our Oakdale and Woodlawn Buffets or China Closets we are offering you two extremely attractive cabinets of very good proportions. They are made to set in a recess in the wall so that the front of the cabinet comes even with the face of the wall.

The opening in the wall for these cabinets should be 5 feet wide, 7 feet high and 14 inches deep. Cabinets are made from clear, thoroughly kiln dried lumber free from defects. Best of workmanship. They are made exactly alike except the glazing in the doors. The doors in the Oakdale are glazed with leaded art glass of neat design with just enough color to give them life but not make them appear gaudy. The Woodlawn cabinet has 4 doors glazed with clear plain glass in the top and two wood panel doors in the bottom. The bevel plate mirror in back of the countershelf is 54 inches long and 12 inches high.

Woodlawn

Plenty of shelf room is provided in these cabinets. The upper section and the two bottom cupboards are each equipped with two adjustable shelves. Casing and cap trim are not included. These items should match the trim used in the balance of the room. Our regular door trim sets offered on Pages 26 and 27 are suitable for trimming around these cabinets. Hardware is not included; it is priced separately below. Cabinets are completely assembled ready to put in place, except shipped in two sections (upper and lower) for easy handling on the job. They are shipped in the "white," natural wood, already sanded ready for stain and varnish. Carefully crated.

(Shipping weight about 250 lbs.)

Oakdale

10-G-810 Oakdale Buffet, clear yellow pine, bevel plate mirror. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep per description. Price.....**$81.00**

10-G-811 Oakdale Buffet, red oak, bevel plate mirror. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep per description. Price.....**$91.50**

10-G-816 Hardware, including glass knobs, lemon brass finish. Price.....**$4.85**

Woodlawn

10-G-814 Woodlawn Buffet, clear yellow pine, bevel plate mirror. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep per description. Price.....**$77.00**

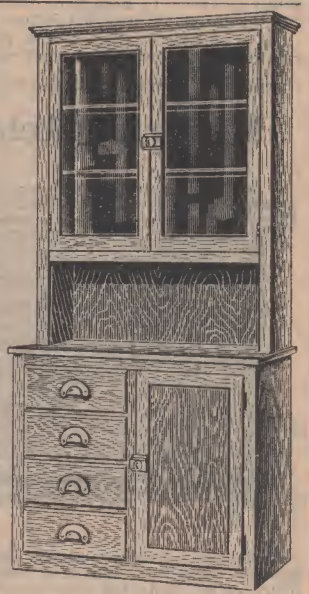
10-G-815 Woodlawn Buffet, clear yellow pine, wood panel instead of mirror. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep per description. Price....**$61.50**

10-G-816 Hardware, including glass knobs, lemon brass finish. Price.....**$4.85**

Indiana

Our Indiana and New York Kitchen Cabinets are made from Clear Yellow Pine lumber, thoroughly kiln dried, free from defects. Best of workmanship. Doors glazed with clear plain glass as illustrated. These cabinets have two adjustable shelves in the upper cupboard and one in the pot cupboard. Backs are closed with beaded ceiling. Both sides on the New York cabinet are closed so that it can be placed anywhere.

The Indiana cabinet is semi-closed for setting in a recess in the wall. Hardware is not included; for prices see below or in the Hardware Section of this book. Height of the lower section of the New York cabinet is 34 inches. Several very desirable combinations can be made with this cabinet and our "unit" cabinets illustrated on Page 43. Cabinets are completely assembled ready to put in place, except they are shipped in two sections (upper and lower) for easy handling on the job. They are shipped in the "white," natural wood, already sanded ready for stain and varnish. Carefully crated.



New York

10-G-820 Indiana Kitchen Cabinet, Clear Yellow Pine, to set in recess in wall 4 feet 6 inches wide by 7 feet high and 14 inches deep. Price.....**$44.00**

(Shipping weight about 200 lbs.)

No hardware; casing or cap trim included. Casing and cap trim should match balance of trim. Our regular door trim sets, offered on Pages 26 and 27, are suitable for trimming around this cabinet.

10-G-821 Hardware as illustrated, antique copper finish. Price..**$2.50**

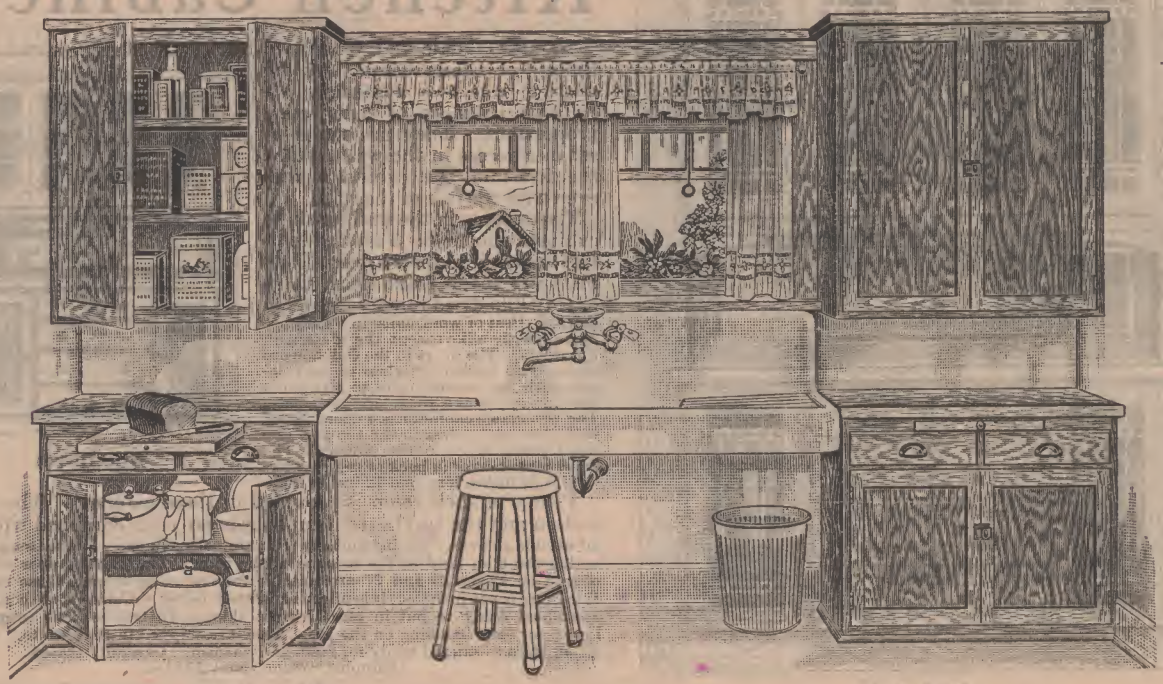
10-G-825 New York Kitchen Cabinet, size 3 feet 6 inches wide by 7 feet high, top section 12 inches deep, lower section 20 inches deep. Price.....**$35.00**

(Shipping weight about 150 lbs.)

No hardware included in the above price.

10-G-826 Hardware as illustrated, antique copper finish. Price..**$1.35**

Modern Built-In Conveniences



"Unit" Cabinets That Present Many Splendid Combinations!

Unlimited combinations are possible with our improved Sectional Wall and Table "unit" Kitchen Cabinets, as sides and backs are sealed, which enables them to be used in any position. The combination illustrated above is obtained by using two wall "units" and two table or base "units." These "units" are offered to you after a very thorough inspection of all the latest improved kitchen furniture. Their simplicity of design is pleasing and enables the housewife to keep them immaculate. Many modern homes and apartments are being built without pantries; as pantries are no longer necessary when such conveniences as these are available, especially as it is no longer necessary to store large quantities of food stuffs, as in almost every city the grocery store is just around the corner.

Made of selected Clear Yellow Pine, carefully manufactured and fitted. Shipped in the "white," natural wood, all set up, ready to put in place. Sanded, ready for stain, varnish or paint. Hardware is not included. For prices on the same see the Hardware Section of this book.

10-G-638. Wall Units—36 inches wide, 12 inches deep and 42 inches high assembled, with two adjustable shelves. Clear Yellow Pine.
Each..... **$13.50**

10-G-640. Table or Base Units—36 inches wide, 20 inches deep, 34 inches high, assembled; with sliding cutting board, 2 drawers and roomy pot cupboard with adjustable shelf. Clear Yellow Pine.
Each..... **$17.50**

Approximate shipping weight wall units, 80 lbs.; base units, 100 lbs.

Modern Kitchen Work Table

Usefulness, as well as beauty, are required in Kitchen Furniture. This Kitchen Work Table embodies these requisites and will save the housewife many steps. Note the four convenient drawers, roomy utensil cupboard, which has two adjustable shelves, the large capacity forward tilting flour bin and the sliding cutting or pastry board. This table is 4 foot 6 inches wide, 2 foot 10 inches high and 24 inches deep. Carefully made from selected Clear Yellow Pine. Shipped assembled, all ready to put in place, in the "white," natural wood. Sanded, ready for paint or varnish. No hardware included.

10-G-912. Clear Yellow Pine, assembled.
Each..... **$26.75**

Shipping weight approximately 180 lbs.

Drawer Pantry Case

Plenty of drawer room is needed to make the home comfortable. This drawer case can be used in innumerable places, such as pantries, closets, etc. Case measures 3 foot in width and is 2 foot 10 inches high, and 1 foot 4 inches deep. Very carefully made from Clear Yellow Pine Lumber and shipped assembled as specified below, in the "white," natural wood, ready for varnish or paint. No hardware included in price.

10-G-908. Clear Yellow Pine, shipped assembled, with top separate for easy fitting on the job. Sides and back open, not sealed. This case usually used between plaster walls.
Price, each..... **$8.75**

10-G-910. Clear Yellow Pine, shipped completely assembled, with sides and backs closed, can be used any place in any room.
Price, each..... **$12.75**

(Shipping weight approximately 90 lbs.)

Beautiful "Concord" Breakfast Nook

Large Table and 2 Roomy Settees — Beautifully Designed, Carefully Constructed—Ready to Build-in and Finish to Suit your Own Taste.

This style of "built-in" breakfast nook is now all the vogue. Every home will find it a welcome addition to their other furnishings. It is so neat and handsome, takes up so little room and yet affords so much extra seating capacity, that no home is really complete without it. And then, you can finish it in accord with your own ideas, to harmonize with your other furnishings. Costs very little and comes to you complete, ready for setting up and finishing.

$24.80

Complete

Wherever there is a little room, nook or alcove 5 ft. 6 in. by 4 ft. 6 in. or larger, the "Concord" will fit in with the utmost nicety. Made of the best grade Clear White Pine, with Birch panels in the settees. The stock is heavy and well seasoned and the construction is very substantial. Table top, seat and panel ends are 1⅛ in. thick. All other parts ⅞ in. thick. Table is 4 ft. 6 in. long, 2 ft. 6 in. wide. Note the sturdy graceful construction and the wide foot-shelf underneath. The settees are 4 ft. 6 in. wide, 3 ft. 6 in. high, comfortable and roomy, and will accommodate 4 to 6 persons.

All parts are carefully sanded—ready for finishing—and so perfectly machined that anybody can put the nook together in a few minutes. Shipped in natural finish, K. D., and well crated, to reduce freight costs and avoid damage in delivery. Shipping weight, about 125 pounds.

No. 10-G-5656. "Concord" Breakfast Nook... **$24.80**

Rare Values in "Built-in" Conveniences

Peak Head Medicine Case

With First Quality Plate Mirror

$5.95

Expertly made of selected clear stock, in natural unfinished color, carefully smoothed and sanded, ready for finishing or staining.

SPECIFICATIONS: Size of door 1 ft. 6 in. wide by 1 ft. 10 in. high. Depth of case in wall 4½ in., opening in wall 1 ft. 8 in. wide by 2 ft. high. Size of mirror 14 in. by 18 in. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. Assembled but no hardware included.

No. 10-G-851. Yellow Pine, Glazed with Plain Plate Mirror. Price..... **$5.95**

No. 10-G-852. Yellow Pine, Glazed with Bevel Plate Mirror. Price..... **6.45**

No. 10-G-853. Oak or Birch, Glazed with Plain Plate Mirror. Price..... **7.40**

No. 10-G-854. Oak or Birch, Glazed with Bevel Plate Mirror. Price..... **8.30**

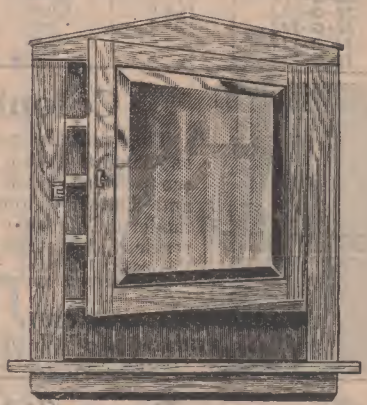
Shipping weight, 60 pounds

Built-In Ironing Board

$7.98

Complete

No. 10-G-680. A full size built-in ironing board, universally recognized as a necessity in all modern homes. Always ready, still it is out of the way, saving work, space, time and labor. Usually installed with socket for electric iron. Complete as shown, including hardware. Made for wall opening 14 in. wide, 82 in. high, 4 in. overall deep. (Fits between 2x4 studs.) Made of white pine and shipped assembled, carefully sanded and smoothed, ready for varnish. Price does not include casing. (This should be ordered to match trim in your room.) Weight, complete, 50 pounds. Price..... **$7.98**



Open Shelf Medicine Case

With First Quality Plate Mirror

$6.95

Carefully constructed of choice clear stock, smoothed and sanded, ready for finishing or staining.

SPECIFICATIONS: Size of door 1 ft. 6 in. wide by 1 ft. 10 in. high. Openings in wall, 1 ft. 8 in. wide by 2 ft. 6 in. high. Depth of case in wall, 4½ in. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. Assembled but no hardware or finishing included.

No. 10-G-889. Yellow Pine, Glazed with Plain Plate Mirror. Price..... **$6.95**

No. 10-G-890. Yellow Pine, Glazed with Beveled Plate Mirror. Price..... **7.85**

No. 10-G-892. Oak or Birch, Glazed with Plain Plate Mirror. Price..... **8.00**

No. 10-G-893. Oak or Birch, Glazed with Bevel Plate Mirror. Price..... **8.90**

Shipping weight, 70 pounds.

LUMBER—LUMBER—LUMBER

SEND US YOUR LUMBER BILL FOR OUR MONEY SAVING FREIGHT PAID PRICES

READ! READ! READ!

The lumber we handle here at our main plant and factory at Chicago is all guaranteed up-to-grade lumber that has been manufactured and graded in accordance with the American standards adopted by the United States Department of Agriculture.

KINDLY NOTE—Please send us your complete list of requirements — LUMBER, MILLWORK, HARDWARE, ROOFING, PAINTS, etc., etc. Should you require about a carload of lumber, millwork, etc., we can get you lowest carload rates on your shipment and by including all your items in one bill the entire shipment will go through better, faster and your saving will be proportionately greater.

OUR STOCKS consist of strictly No. 1 Yellow Pine Dimension Lumber, Timbers, Joists, Rafters, Studding, all surfaced four sides, also No. 1 and No. 2 boards, shiplap, and tongued and grooved. **We do not sell or handle No. 3 boards,** such as are sold in many localities for No. 2 grade. Please note our guarantee in first paragraph above.

We also carry a stock of 1x12—12 ft. to 20 ft. No. 2 White Pine boards. This is a mill grade, which is sold in many localities as No. 1. Also best grades of YELLOW PINE, FIR and OAK finishing lumber. All kiln dried and surfaced stock.

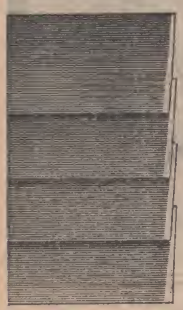
In fact we can furnish you practically everything you need to build or improve. SEND YOUR COMPLETE BILL OF MATERIAL and do not forget your plumbing and heating requirements.

We do not list or price common lumber in our catalog. Prices fluctuate too rapidly and we prefer to quote prices on list of requirements sent in by customers.

When sending us your list be sure to specify the quantity, size, length, grade, manufacture and kind of wood you will require. In this connection, it might be well for you to specify what you are going to use each item for, as we often have specials that are especially adapted for certain purposes.

Prices quoted on these pages are good only at the time of publication of the catalog and are shown so that you can make comparisons of values and grades of material offered. They are subject to change without notice.

On this you can depend; material we furnish will be quality material, correct as to grade and count, carefully shipped; we guarantee safe delivery.

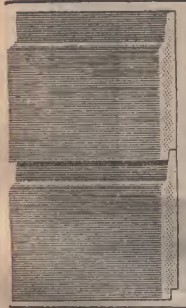


Bevel Siding

Also known as **"Weather - Boarding Split Siding," "Clap Boards or Lap Siding."** Red Wood and Spruce. Machined to standard width and thickness. Standard bundling, consists of regular lengths 4 to 16 ft. All prices per **100** feet, Board Measure. Weight, 80 lbs. per **100** feet.

Note: Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

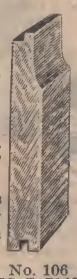
Number	Size	Grade	Wood	Price
22-G-711	½ x 4	Clear	Spruce	**$4.60**
22-G-712	½ x 6	Clear	Spruce	**4.80**
22-G-713	½ x 4	Clear	Red Wood	**4.60**
22-G-714	½ x 6	Clear	Red Wood	**4.80**
22-G-715	½ x 8	Clear	Red Wood	**6.00**



Colonial Siding

This popular wide siding, also known as Channel-Rustic siding, is the kind you see used so much on high class Colonial and Dutch Colonial Houses. Numerous modern California Bungalows in the best residential districts are being built with this material specified. When painted white, it makes a most striking appearance. Best grade kiln dried lumber only.

No. 22-G-7201. 1x10 inch clear Fir Colonial siding. Weight, 210 lbs.
Price per 100 feet, B.M. **$7.40**



Drop Siding

Also known as "Novelty Siding," "Rustic Siding," "German or Dutch Siding" "Patent Siding."

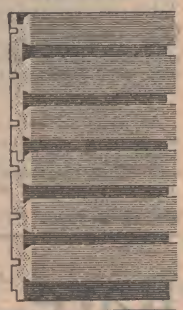
This kind of siding is used where sheathing boards are not used.

Machined to standard widths and thickness. Prices are for assorted lengths 6 to 16 feet and longer. Very small amount of 6 and 8 ft. Pattern No. 106 always in stock.

No. 118 22-G-7149 — Price per **100** ft. B. M. — Weight per **100** ft. — No. 106 22-G-7148

Number	Size	Grade	Wood	Price	Weight
22-G-7148	1x6	Clear	Oregon Fir	**$6.00**	190 lbs.
22-G-7149	1x6	Clear	Oregon Fir	**6.20**	190 lbs.

Byrkits Patent Sheathing Lath or Stucco Lath



Used in place of sheathing boards when wall is to be covered with stucco.

Furnished in random lengths. Tongued and grooved or square edged subject to stock on hand. This material is usually offered in No. 3 grade. We have not found this grade satisfactory therefore we are offering No. 2 and better grade which means Nos. 1 and 2 mixed. Weight, 165 lbs. per 100 ft.

22-G-7139. 1x6 inch. Lengths, 4 to 16 feet. Per 100 feet, B. M. **$3.95**

Plastering Lath

Always in stock. Full thickness and width. Mixed Northern pines, No. 1 grade.

Low Prices per 1,000 Pieces.

22-G-7165. 32-inch Lath, Northern Pine Wt., 325 lbs. per 1000 **$ 5.60**
22-G-7166. 48-inch Lath, Northern Pine Wt., 500 lbs. per 1000 **11.20**

Creosoted Red Cedar Shingles

"HARRIS BEST"

25 to 40-year Roof

This is, in our opinion, the best roof shingle made. Clear lumber—all heart wood—no-sap and ¼ sawed, creosoted with best quality creosote and stained. Shingles used are best 5XB.C. clears, 5/2 thickness, 16" long. When applied with galvanized nails, will last 25 years; zinc coated nails, 40 years. Weight, 144 lbs. per square.

22-G-5420. Color, rich brown. Price per square **$10.40**
22-G-5421. Color, moss green. Price per square **10.70**

Sold only by the square, 4 bunches to the square. A square of these shingles will cover 100 square feet of surface, laid 5 inches to the weather, or 90 square feet laid 4½ inches to the weather.

Washington Red Cedar Shingles

Not Creosoted or Stained

22-G-7140. Extra Star A Star 16-inch, 6 to 2 butts. Weight, 160 lbs. Price, per M. **$4.95**

22-G-5415. Extra Clear, 16-inch, 5 to 2 butts. Highest grade made. Weight, 180 lbs. Price, per M. **5.75**

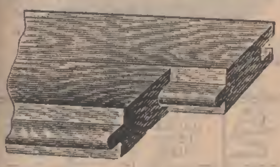
4 Bunches to the M.

1000 will cover 110 square feet laid 4½ inches to the weather.

Continuation of Prices on LUMBER!

Flooring—Ceiling—Stucco Lath—Hardwood Flooring

Yellow Pine and Fir



House Flooring

Best quality. Correctly manufactured and thoroughly kiln dried.

Price per 100 ft. B. M. Weight 200 lbs. per 100 ft. Assorted lengths 8 to 20 ft.

Number	Finished Size	Grade	Wood	Price
22-G-7120	¾x3¼	Clear	Flat Sawed Fir	**$5.95**
22-G-7122	¾x3¼	Clear	Flat Sawed Y. Pine	**7.45**

Above are the highest grades made. Shipped carefully bundled. Y. P. means Yellow Pine, or Southern Hard Pine.

Fir Porch Flooring

We recommend Fir especially for the purpose of porch floors. It wears better because it is not as soft as Soft Pine and some other woods now being endorsed for Porch floors. This close knit fibrous Fir of the Western Slope, in our opinion, has all other woods backed off the boards for porch floors. Can be furnished in specified lengths, that is, your choice of 6, 7, 8 or 9 ft. lengths.

Price per 100 feet B. M. Weight 200 lbs. per 100 ft.

Number	Size	Grade and Kind	Lengths	Price
22-G-7137	¾x3¼	Clear Flat Grain Fir	6 to 9 ft.	**$5.40**
22-G-7138	¾x3¼	Clear Edge Grain Fir	6 to 9 ft.	**6.50**

Ceiling—Wainscot and Partition

For porches, under eaves, wainscot, ceiling, etc. All tongued, grooved and beaded, smoothly machined. Kiln dried, suitable for natural finish. Assorted lengths, 6 ft. to 16 ft.

Number	Finished Size	Grade	Wood	Price 100 ft. B. M.	Wgt. per 100 ft.
22-G-7151	⅝x3¼	Clear	Oregon Fir	**$4.90**	140
22-G-7153	¾x5¼	Clear	Oregon Fir	**6.20**	200
22-G-7154	¾x5¼	No. 1C	Yellow Pine	**5.80**	200

Oak and Maple

Hardwood Flooring

Perfectly Manufactured, Guaranteed Grades

Kiln Dried, End Matched, Tongued and Grooved

Nature has particularly favored these splendid and most substantial of all American hardwoods. Their very names stand for durability.

There is a hardwood flooring grade for every flooring purpose —from public building to private home and from castle to cottage.

A well informed landlord knows that hardwood flooring commands a higher rental, and at the same time attracts a better class of tenants. The real estate dealer who builds to sell, knows that they are his "one best bet."

The most convincing endorsement as to the superior merits of hardwood flooring is found in its steadily increasing use for every type of building both private and public.

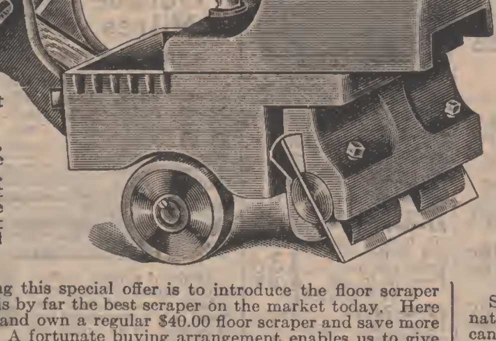
NOTE—Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

Price per 100 feet Board Measure. Standard lengths.

Number	Finished Size	Grade	Wood	Price	Weight
22-G-5311	⅜x2	Select	Maple	**$ 6.00**	100 lbs. per 100 ft.
22-G-5314	⅜x2	Clear	Maple	**8.25**	
22-G-5316	⅜x2	Select	Oak	**7.00**	
22-G-5320	⅜x2	Clear	Oak	**8.25**	
22-G-7155	13/16x2¼	Clear	Maple	**11.50**	200 lbs. per 100 ft.
22-G-7156	13/16x2¼	Select	Maple	**10.70**	
22-G-7157	13/16x2¼	Clear	Red Oak	**11.50**	
22-G-7158	13/16x2¼	Select	Red Oak	**10.75**	
22-G-7159	13/16x2¼	"C" & Btr.	Red Oak	**8.40**	

HARRIS IMPROVED PATENTED "ADJUSTABLE"

Ball Bearing Floor Scraper



This adjustment shows handle low.

Weight on blade, 40 lbs.; vertical angle of blade, 70 degrees. Blade set for left hand, shear cut. Note the overhead weight is adjustable and may be removed.

OUR SPECIAL OFFER:

A $40.00 Scraper with 3 Blades - - - - - - - $27.50

This is the ninth year that this scraper has been on the market. Each succeeding year the demand has grown until today it is without doubt, the best and lowest priced machine offered. It is guaranteed to do the work. First class material and workmanship throughout. Any parts broken due to defective workmanship or material will be replaced free within one year provided the defective part is returned to our plant at Chicago. The exchange will be made at our expense.

Our object in making this special offer is to introduce the floor scraper which, in our opinion, is by far the best scraper on the market today. Here is your chance to buy and own a regular $40.00 floor scraper and save more than its cost to you. A fortunate buying arrangement enables us to give you the benefit of this saving.

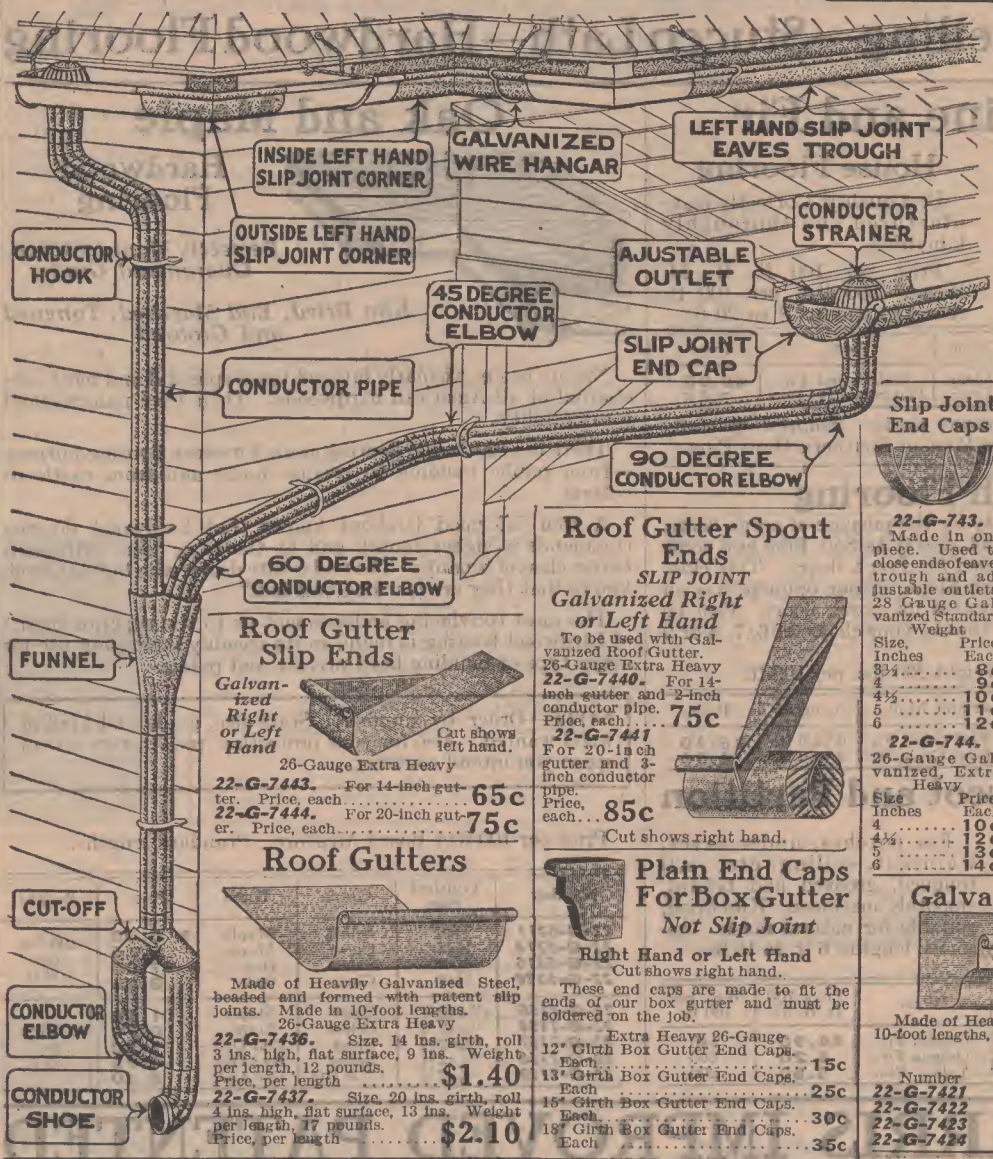
This machine can be used by anyone for any kind of practical floor scraping. Easily adjusted to suit the convenience of the operator. Blade adjustable to any vertical or lateral angle to the floor. Overhead weight adjusted to give 30 to 40 pounds pressure directly on blade. Scrapes up into the corners.

Simply push and pull the machine forward and backward in an easy natural way. Ball bearing rubber tired wheels make the work easy. Weight can be removed for finishing work. Under a uniform pressure, a true and even surface is assured. Weight of machine, 125 pounds. Three blades, 8 inches wide, made of Disston Saw Steel. Burnisher and wrench included. Extra Blades, each........ **90c**

22-G-1620. Harris Improved Patented Adjustable Floor Scraper, complete, F. O. B. Chicago. Each........ **$27.50**

Galvanized Eave Trough Fittings

In Comparing Prices
Remember—We sell only 28 and 26 U. S. Government Standard Gauges. We do not sell or recommend 29 Gauge—28 is the lightest that should be used.



Adjustable Outlet

Consists of about 12 inches of trough, with drop outlet soldered on bottom to connect to the conductor pipe.

For Eave Trough Size Inches	For Conductor Pipe Size	22-G-745 28 gauge Price	22-G-746 26 gauge Price
3½	2"	14c	.....
4	2"	16c	20c
4½	3"	18c	22c
5	3"	19c	23c
6	4"	.....	26c

Roof Gutter Slip Ends

Galvanized Right or Left Hand

Cut shows left hand.

26-Gauge Extra Heavy

22-G-7443. For 14-inch gutter. Price, each **65c**
22-G-7444. For 20-inch gutter. Price, each **75c**

Roof Gutter Spout Ends

SLIP JOINT

Galvanized Right or Left Hand

To be used with Galvanized Roof Gutter.
26-Gauge Extra Heavy
22-G-7440. For 14-inch gutter and 2-inch conductor pipe. Price, each **75c**
22-G-7441 For 20-inch gutter and 3-inch conductor pipe. Price, each... **85c**

Cut shows right hand.

Roof Gutters

Made of Heavily Galvanized Steel, beaded and formed with patent slip joints. Made in 10-foot lengths.
26-Gauge Extra Heavy
22-G-7436. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 12 pounds. Price, per length **$1.40**
22-G-7437. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 17 pounds. Price, per length **$2.10**

Plain End Caps For Box Gutter

Not Slip Joint

Right Hand or Left Hand
Cut shows right hand.

These end caps are made to fit the ends of our box gutter and must be soldered on the job.

Extra Heavy 26-Gauge
12" Girth Box Gutter End Caps. Each 15c
13" Girth Box Gutter End Caps. Each 25c
15" Girth Box Gutter End Caps. Each 30c
18" Girth Box Gutter End Caps. Each 35c

Slip Joint End Caps

22-G-743.
Made in one piece. Used to close ends of eaves trough and adjustable outlets.
28 Gauge Galvanized Standard Weight

Size, Inches	Price, Each
3½	8c
4	9c
4½	10c
5	11c
6	12c

22-G-744.
26-Gauge Galvanized, Extra Heavy

Size Inches	Price, Each
4	10c
4½	12c
5	13c
6	14c

Galvanized Corner Mitre

Cut shows inside left hand.

These corners are made with both inside and outside bead. Be sure to order according to number.
28 Gauge Standard Weight.

22-G-747. Outside corner, right hand.
22-G-748. Outside corner, left hand.
22-G-749. Inside corner, right hand.
22-G-7410. Inside corner, left hand.

Size, Inches	3½	4	4½	5
Price, each	19c	25c	27c	28c

26-Gauge Galvanized, Extra Heavy
22-G-7411. Outside corner, right hand.
22-G-7412. Outside corner, left hand.
22-G-7413. Inside corner, right hand.
22-G-7414. Inside corner, left hand.

Size, Inches	4	4½	5	6
Price, each	28c	30c	31c	40c

Galvanized Box Gutters

Made of Heavily Galvanized Steel and furnished in 10-foot lengths, both ends open.

LAP JOINT

Number	26-Gauge Extra Heavy Girth	Size	D'th	Price, per 10' Lengths
22-G-7421	12"	4"	3½"	$0.95
22-G-7422	13"	4"	4"	1.30
22-G-7423	15"	5"	4¼"	1.55
22-G-7424	18"	6"	6"	2.00

Tin Shingles

PAINTED ONE SIDE

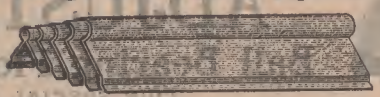
Made of roofing tin. Used for making tight joints around chimneys and roof hip finish.

22-G-7527. Tin Shingles. Size, 2½x7 inches. Weight, per 100 pieces, 5¼ lbs. Each 1½c
Price, per 100 ..... 1.25

22-G-7525. Tin Shingles. Size, 5x7 inches. Weight, per 100 pieces, 11½ lbs. Each 2c
Price, per 100 ..... 1.65

22-G-7526. Flashings. Size, 7x10 inches. Weight, per 100 pieces, 20 lbs. Each 4c
Price, per 100 ..... 3.75

Ridge Roll—Plain Apron



10 Foot Lengths

28-Gauge Standard Weight

A neat water-proof Cap for the ridge of roofs. It is made in 10-foot lengths and can be used on shingles or any other kind of roofing. We do not furnish cut lengths.

Number	Size of Roll inches	Width of Apron inches	Girth inches	Per 10 ft. length
22-G-7522	1½	2	8	46c
22-G-7523	2	2½	10	49c

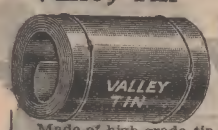
26-Gauge, Extra Heavy

22-G-7524	1½	2	8	63c
22-G-7525	2	2½	10	65c

GALVANIZED FLASHING SHINGLES

22-G-7528. Size, 5x7 inches, weight, per 100, 20 lbs. Each 4c
22-G-7529. Size, 7x10 inches, weight, per 100, 30 lbs. Each 7c

Valley Tin



Made of high grade tin plate in a continuous length, locked and soldered.

PAINTED ONE SIDE

22-G-7445. Width, 14 inches, weight, per roll, 30 lbs. Price, per foot 10c
Price, 50 ft. roll 3.95

22-G-7446. Width, 20 inches, weight, per roll, 48 lbs. Price, per foot 13c
Price, 50 ft. roll 5.95

GALVANIZED

22-G-7447. Width, 14 inches, weight, per roll, 40 lbs. Price, per foot 12c
Price, 50 ft. roll 5.25

22-G-7448. Width, 20 inches, weight, per roll, 60 lbs. Per foot. $0.16
Price, 50 ft. roll. 7.50

Box Gutter Outside Mitres

LAP JOINT

26-Gauge Extra Heavy

22-G-7429. 12 in. Girth. Price, each ..$ .60
22-G-7430. 13 in. Girth. Price, each .. .75
22-G-7431. 15 in. Girth. Price, each .. .90
22-G-7432. 18 in. Girth. Price, each .. 1.05

Outlets for Box Gutter

Made of a piece of box gutter about 12" long with a tube about 4" long soldered to it to represent the same kind of an outlet as shown for eave trough—without slip joints.

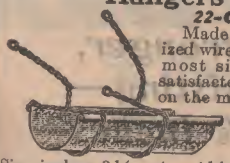
22-G-7433

Extra Heavy 26-Gauge

12" Girth for 2" Conductor Pipe. Each ....$ .75
13" Girth for 3" Conductor Pipe. Each .... .90
15" Girth for 3" Conductor Pipe. Each .... .95
18" Girth for 4" Conductor Pipe. Each 1.05
18" Girth for 5" Conductor Pipe. Each 1.10

CONDUCTOR PIPE AND TRIMMINGS

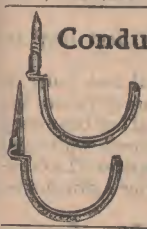
Galvanized Wire Hangers



22-G-7415 Made of galvanized wire, and is the most simple and satisfactory hanger on the market.

Size, inches	3½	4	4½	5	6
Price, Doz.	23c	27c	30c	35c	40c

Conductor Hooks



22-G-759. Galvanized Conductor Hooks for Corrugated Conductor.

Size, Inches	Price, per doz. for wood	Price, per doz. for brick
2	$0.42	$0.48
3	.52	.60
4	.74	.89
5	1.05	1.30
6	1.26	1.58

Conductor Elbows
Galvanized Corrugated

45 Degree 60 Degree 90 Degree

22-G-753
28-Gauge

Size, Inches	Price, Each
2	15c
3	18c

22-G-754
26-Gauge

Size, Inches	Price, Each
2	$0.21
3	.23
4	.35
5	.90
6	1.35

"Harris" Double Barrel Ventilating Galvanized Smoke-Stacks

These are made of extra heavy 26-gauge galvanized steel, to fit over an ordinary 8" stove pipe. The outside barrel is 8" in diameter, giving 1" air space all around.

Here is a sensible galvanized iron chimney, especially designed for our Garages. It is a "Double Barrel" chimney because it has one barrel inside the other, and easily set in place.

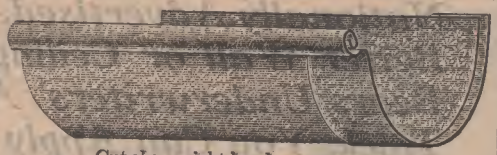
Simply cut a hole of about a foot square or round in the roof where you want the chimney placed. The pipe from your stove fits into the inner chamber and serves as a smoke shaft or chimney — the outer chamber opening into the room serves as a splendid ventilator. The heated smoke chimney touches no wood and helps to prevent fire from over-heating.

Includes both roof flange and ceiling flanges 24x24 inches.

22 G 204
Price, complete Each..... $6.75

IN COMPARING PRICES
REMEMBER:—We sell only 28 and 26 U. S. Government Standard Guages. We do not sell or recommend 29 Gauge—28 is the lightest that should be used.

Galv. Eave Trough
Improved Slip Joint



Cut shows right hand

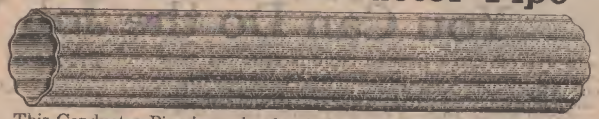
Most convenient Eave Trough. Made of heavily galvanized steel sheets. Each length has an improved slip joint at one end, **can quickly and easily be put together without soldering.** Water-tight joints.

Be sure and state whether right or left hand trough is wanted. Right hand trough discharges water at the right hand end of the trough; left hand trough discharges the water at the left hand end when you face it.

In 10-foot lengths. We do not supply cut lengths.

Width at top Size, Inches	No. 22-G-741 28-Gauge Standard Weight	No. 22-G-741 28-Gauge Standard 10-Foot Length	No. 22-G-742 26-Gauge Extra Heavy Weight	No. 22-G-742 26-Gauge Extra Heavy 10-Foot Length
3½	4 lbs.	48c	.....	.....
4	5 lbs.	54c	6 lbs.	70c
4½	5½ lbs.	57c	6½ lbs.	73c
5	6 lbs.	60c	7½ lbs.	74c
6	.....	.....	9 lbs.	93c

Galvanized Conductor Pipe



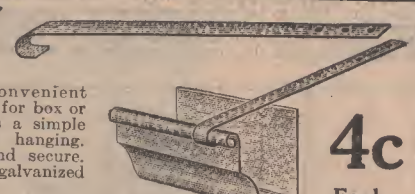
This Conductor Pipe is made of strictly first quality heavily galvanized sheets. Nothing better, stronger or more durable in this gauge of pipe can be had. It is made in 10-foot lengths without cross seams. Will not burst when full of ice. We furnish it in full 10-foot lengths only.

Diameter Size, Inches	No. 22-G-751 28-Gauge Standard Weight	No. 22-G-751 28-Gauge Standard 10-Foot Length	No. 22-G-752 26-Gauge Extra Heavy Weight	No. 22-G-752 26-Gauge Extra Heavy 10-Foot Length
2	5 lbs.	$0.49	6 lbs.	$0.66
3	6 lbs.	.55	7½ lbs.	.69
4			10 lbs.	.97
5	4", 5" and 6" not carried in 28-Gauge.		12½ lbs.	1.27
6			14 lbs.	1.50

Notice! This Is Important!
Size of Conductor to Use with Eave Trough
All Fittings Are Furnished Accordingly.

For Eave Trough	3½"	4"	4½"	5"	6"
Use Conductor Pipe	2"	2"	3"	3"	4"

Box Gutter Strap Hanger



22-G-7416. Most convenient timesaving hangers for box or roof gutters. Makes a simple job of eave trough hanging. Holds them solid and secure. Made of 16-gauge galvanized steel.

Price, each..... 4c
Price per doz..... 45c

4c Each

Metal Hip Shingles

These shingles are much more ornamental than the wood hip caps and are easily laid. Size of shingles, 4x9 inches.

22-G-7531
Painted tin hip shingles. Size, 4 inch by 9 inch.
Price, each $0.03½
Price per 100 3.00

22-G-7532
Galvanized hip shingles. Size, 4 inch by 9 inch.
Price, each..... $0.04½
Price, per 100..... 4.00

Conductor Strainer

22-G-7514. Galvanized Wire Conductor Strainers. To be placed in the outlet of eave trough preventing leaves, etc., from stopping up the conductor. Size given indicates the size of the conductor strainers will fit.

Size, Inches	Price, Each
2	08c
3	10c
4	13c
5	18c
6	30c

Strap Hangers for Eaves Trough

22-G-9348
Quickly attached. Makes gutter hanging an easy job. Made of heavily galvanized strap iron.

Size, inches	4	4½	5	6
Per Dozen	60c	80c	85c	90c

Conductor Fasteners

Suitable for wood or brick buildings. Made of heavily galvanized wire. Keeps the pipe from coming in contact with the building, making it possible to paint behind the conductor pipe, preventing the moisture from rotting the siding and corroding the pipe.

22-G-758

Size of Conductor Pipe, In...	2	3	4	5	6
Gauge of wire	15	15	11	10	9
Price, per doz.	45c	55c	65c	75c	85c

Conductor Shoes
(Galvanized Corrugated)

Made of galvanized steel.

28-Gauge Standard

22-G-756

Size, Inches	Price, Each
2	$0.20
3	.24

26-GAUGE EXTRA HEAVY
22-G-757

Size, Inches	Price, Each
2	$0.33
3	.40
4	.55
5	1.20
6	1.50

Conductor Funnel

22-G-7512. Used for running two conductors into one outlet. Size given is size of lower spout.

28-Gauge

Size, In.	Price, Each	Size, In.	Price, Each
2	$0.52	5	$0.90
3	.62	6	1.05
4	.70		

26-Gauge

Size, In.	Price, Each	Size, In.	Price, Each
2	$0.70	5	$1.20
3	.80	6	1.45
4	.95		

Rain Water Cut-Off
For Corrugated Conductor Pipe

28-Gauge Galvanized—Standard Gauge.

22-G-7510

Size, Inch	Price, Each
2	$0.58
3	.60
4	.84
5	1.50
6	2.10

22-G-7511 26-Gauge Galvanized—Extra Heavy.

Size, In.	Price, Ea.
2	$0.90
3	1.00
4	1.40
5	2.30
6	3.00

Block Finials
Galvanized
22-G-7530

Used in connection with ridge roll. 1½ and 2 inch ridge roll.
Price, each..... 50c

"Smoothwall" Plaster Board

Cross cut showing strength of "Smoothwall"

Nationally Advertised. Makes a Stronger, Better Wall or Ceiling. Fire Resisting—Bears Underwriters' Approval. 3/8 Inches Thick. You Can Apply it Yourself.

This is the famous Plasterboard that you see advertised nationally in the leading periodicals under the manufacturers' copyrighted name—the best plasterboard manufactured—offered to you under our own name of "Smoothwall" at a big saving in price. Outsells all competitive boards at least two to one and is now used on all classes of buildings. Comes in strong, rigid sheets 48 inches wide and 6 to 10 feet long, to fit every wall and ceiling.

"Smoothwall" plasterboard will not burn or support combustion. Made of pure gypsum, the material that from time immemorial has been used for solid, smooth-surfaced, permanent walls and ceilings. Approved by the Underwriters' Laboratories, Inc., as an effective barrier against fire.

Cooler in Summer—Warmer in Winter

Walls and ceilings covered with "Smoothwall" are not affected by atmospheric changes or climatic conditions. They will not warp or buckle. Gypsum in itself is one of the best insulators known—a property that is still further increased in "Smoothwall" plasterboard by the heavy outer layers of specially prepared paper. The cold air is kept out in winter and the hot air in summer. "Smoothwall" sheets are extremely rigid, solid and strong, and will last as long as the building stands. Yet they are light enough to be easily handled and erected. They will not harbor vermin or dust because of their rock-like nature, tight joints and smooth surface—clean and sanitary.

You Can Do the Job Yourself

Note how easy it is to handle "Smoothwall"

Anyone who can nail a common board in place can apply "Smoothwall" plasterboard. No waiting for the building to dry out. Cuts readily with a saw, or may be scored with a knife and snapped off—in the same way as a glazier cuts glass. The reinforced nailing edge—a patented square folded edge—insures durability and uniform tight-fitting joints. You nail it in place with 3-penny common nails—about 1/6 pound to the average piece.

Wherever a strong, economical wall or ceiling is required, "Smoothwall" is the answer. Whether you want it for your new home, or to convert extra space into useful rooms, or to line your garage, hen-house or boiler room, you can find nothing more satisfactory than "Smoothwall" plasterboard. It is adaptable to any kind of decoration—wallpaper, paint, calcimine, enamel, lining cloth or paper—either with or without panels. When properly decorated, joints are completely concealed.

Prices of "Smoothwall" Plasterboard
Order by No. 22-G-718

Size In. Ft.	Price per Sheet
48 x 6	$1.03
48 x 7	1.26
48 x 8	1.44
48 x 9	1.62
48 x 10	1.80

Joint Filler Included Free of Charge with All Orders

Grade "B" Economy Plasterboard

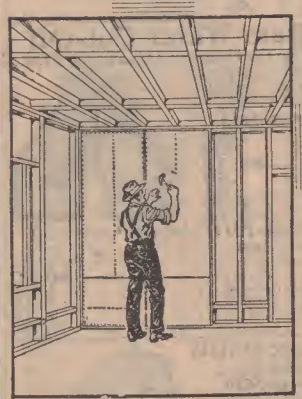
When handling "Smoothwall" plasterboard, sheets are occasionally slightly damaged or discolored. These sheets we offer you at a big reduction under the name of "Economy" plasterboard. They are entirely suitable for all ordinary work, as the defects are usually of a minor character, and practically all disappear when the sheets are decorated. We recommend "Economy" plasterboard very highly, in view of the considerable saving in price.

Prices of "Economy" Plasterboard
Order by No. 22-G-818

Size In. Ft.	Price per Sheet
48 x 6	90c
48 x 7	$1.05
48 x 8	1.20
48 x 9	1.35
48 x 10	1.50

Joint Filler Included Free of Charge with All Orders

COUNTRY BUYERS, PLEASE NOTE! On local freight shipments, add 10% to the above prices on all orders over $15.00 to cover cost of crating. On orders under $15.00, add $1.50 for crating. If you can use 12,000 square feet or more, we will ship direct from the factory and save you all crating expenses as well as give you the benefit of carload freight rates. Specify the largest quantity you can buy of each size and we will quote you our low carload freight-prepaid prices. We can ship up to 22,000 square feet on the minimum carload rate.



Can you nail down a board? That's all the skill you need

With an ordinary putty knife and the filler we supply FREE, joints and cracks are perfectly concealed

Splendidly adaptable to any kind of decoration

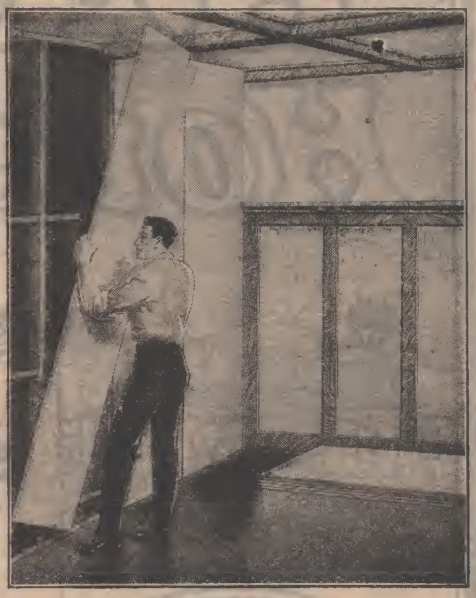
Joint Filler Included Free of Charge on All Orders

Gold Medal Wall Board

A Real Wall Board—the one you've waited for!

GOLD MEDAL WALLBOARD

Is the Nearest Approach to Wallboard Perfection



A Perfected Pure Fibre-Board

Makes a beautiful cream wall. Materialcoloredinmaking. Requires no decoration whatever.

No dirt—No waste—No delay. You yourself can easily put it on and do a perfect fast job.

Rosin Sized—Vermin Proof—Will Take Paint—Calcimine—Stain—Grain—Varnish—Can Be Papered Over

A clean, neat and satisfactory wall or ceiling material—can be cut with a knife or saw without injury to either. Panels are nearly one-quarter of an inch thick—thoroughly dried and seasoned—can be nailed directly to rafters or studs 16 or 24 inches apart—makes a beautiful, permanent, sanitary and economical wall or ceiling. Will stand shocks, jars and vibrations that will bring down plaster—is a non-conductor—keeps out the cold and holds the heat inside in winter. Also cooler in summer.

You can make new rooms, partition, line or ceil while you are living in your house for there is no dampness as in lath and plaster work. Panels can be handled by ONE person. No crack filling necessary—cover the seams with wood panel strips or gummed wallboard tape and your job is clean and complete.

We Guarantee

safe delivery in convenient packages wrapped in Quality Craftpaper. Can bestrapped on therunning board of a car.

PRICES!

13-G-300 Gold Medal Wallboard.

Size Ins.	Ft.	Price Per Sheet
48 x	6	$0.72
48 x	7	.84
48 x	8	.96
48 x	9	1.08
48 x	10	1.20
48 x	12	1.44

13-G-9307 Gummed Wallboard Tape—1½" wide in 100 ft. rolls. Price per Roll.....15c

13-G-8281 Clear fir or pine panel strips, 1⅜" thick. Price per Foot.....1½c

13-G-9308 Flat Head three penny nails for wallboard—1 pound to a square. Price per Pound.....7c

HARRIS House Paint

$1.95 Per Gallon

Guarantee House Paint

We Guarantee every gallon of "Harris" house paint to be equal in every respect to the highest priced paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" house paint, we will replace every gallon you have purchased free of charge.

HARRIS BROTHERS CO.

THE QUALITY of the paint you use should be more carefully considered than probably any other material you buy. The purchase of good paint—the kind that is made from a scientific formula of finest ingredients, is real genuine economy. "Harris" house paint is good paint. Pure linseed oil, lead and zinc are used as the main body.

32 Non-fading Colors to Choose from

White	Venetian	Blue
Olive	Fawn	Light Grey
Orange	Maroon	Oak
Drab	Pea Green	Peacock Blue
	Azure Blue	Tan
	Ivory Yellow	Russet
	Lilac	Light Yellow
	Canary	Pink
	Blue Green	Slate
	Cream	Terra Cotta
	Brown	Grey
Chocolate	Straw	Buff
Dark Grey	Bronze	Black

You Can Pay More But You Won't Get Better Paint

Order No. 9-G-700

1 quart cans.	Each.....$0.70	5 gallon kit.	Per gallon.....$2.03
1 gallon cans.	Each..... 2.10	25 gallon (½ bbl.).	Per gal..... 2.00
		50 gallon bbls.	Per gallon.....$1.95

5 Gallon Kit of Harris House Paint and One High Grade 4-inch Brush (Set in Rubber) $11.00

The brush furnished is of excellent quality, 4 inches wide with pure black bristles, 3⅜ inches long, set in vulcanized rubber. Regular $1.75 value.

No. 9-G-701—5 Gallon Kit of Harris House Paint and one High Grade 4-inch Brush..... $11.00

HARRIS Barn Paint

Guarantee
Barn Paint

We Guarantee every gallon of "Harris" barn paint to be equal in every respect to the highest priced barn paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" barn paint, we will replace every gallon you have purchased free of charge.

HARRIS BROTHERS CO.

$1.40 Per Gallon

HARRIS BARN PAINT is made of the same splendid process as Harris House Paint. Only the best ingredients are used in its formula. As a covering for your barns and for other similar outside work, it has no superior. Those who have used Harris paint before know that it can be depended upon to complete a job that will wear perfectly under most severe conditions.

6 Popular Colors to Choose from

REGULAR COLORS			SPECIAL COLORS		
Red	Yellow	Maroon	*Green	*Slate	*Lead

*The colors indicated as "special colors" above require more expensive color ingredients than the regular colors, and consequently we are forced to advance these prices slightly. Inferior substitutes could be used which would sacrifice quality. We must naturally supply best paint to you under our binding guarantee.

FOR REGULAR COLORS
Order No. *9-G-702*

1 gal. can. Each	$1.50
5 gal. kits. Per gal.	1.48
25 gal. (½ bbls.). Per gal.	1.45
50 gal. bbls. Per gal.	1.40

FOR SPECIAL COLORS
Order No. *9-G-703*

1 gal. can. Per gal.	$1.75
5 gal. kits. Per gal.	1.73
25 gal. (½ bbls.). Per gal.	1.70
50 gal. bbls. Per gal.	1.65

Contains All Desired Qualities—
Endurance, Appearance, Protection

$8.00 Buys A 5-Gallon Kit of Harris Barn Paint and A High Grade 4-inch Brush (*Set in Rubber*)

The high grade 4-inch Brush set in vulcanized rubber, 4 inches wide, with pure black bristles 3⅜ inches long, regular $1.75 kind.

9-G-704—5 Gallon Kit of Harris Barn Paint and a High Grade 4-inch Brush $8.00

If any of the special colors are wanted, add $1.25.

Some Special Savings in Painter's Needs

60c
Per Gallon

A new method of preserving the life of metal, paper and composition roofing. A liquid compound that will quickly and permanently seal all leaks, cracks and holes in any kind of a roof, making a perfectly water tight covering. This covering will add years of service to your roof. It seals all small holes, caused by rust and deterioration. Absolutely water proof and sun proof. It is a heavy rubber-like combination of durable oils, reinforced with asbestos fibre. Apply in a heavy coat, using about one and one-half gallons to the hundred square feet.

9-G-150.

	Per Gal.
1 gal. can—shipping wt., 15 lbs.	90c
5 gal. can—shipping wt., 75 lbs.	75c
25 gal. ½ bbl.—shipping wt., 225 lbs.	65c
50 gal. bbl.—shipping wt., 500 lbs	60c

5½c
Per Pound

Makes a one piece, no seam roof. Guaranteed to stop roof leaks no matter how old the roof. One application of asbestos fibre roof cement will give years of additional service. It stops leaks in tin, wood, felt or paper roofs. Permanently seals leaks in basement walls, leaky gutters and spouting. Apply with a trowel, spreading cement about ⅛ inch thick.

9-G-151.

	Per Lb.
5 lb. can	13 c
10 lb. can	12 c
25 lb. pail	10½c
100 lb. keg	8½c
300 lb. half barrel	7½c
550 lb. barrel	5½c

Harris Auto Enamel

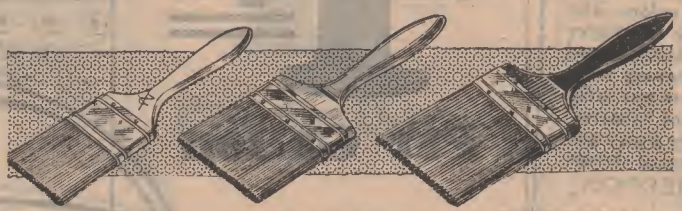
$1.35
Per Quart

Harris Auto Enamel is particularly made for refinishing automobiles. It is simple to use, and requires no expert knowledge. Applied with a fine brush. You can obtain a smooth surface. No brush marks will show. Complete directions sent with each can. Dries quickly. Supplied in ten colors: Black, brewster green, deep cream, dark blue, battleship grey, medium green, yellow, tan, red and white.

9-G-585.

1 quart can	$1.35
1 pint can	.72
½ pint can	.43

Bargains in Good Brushes



RUBBERSET HOME BRUSH

For varnishing, enameling, staining, or painting. A most durable brush. Selected Chinese bristles, solidly imbedded in hard vulcanized rubber.

9-G-1301
2 inches wide..... 40c

4 INCH WALL BRUSH

This brush is specially manufactured for us from pure black bristles, 3⅜ inches long, vulcanized in rubber. A high grade brush that is guaranteed to give satisfactory service.

9-G-58..... $1.25

SPECIAL WALL BRUSH

Made of all pure black Chinese bristles, 4 ins. long, 4 ins. wide, vulcanized in rubber. Suitable for painters or others who use a brush continuously. Packed in individual boxes.

9-G-1339.... $1.75

Flat Wall Paint

70c
Per Quart

For interior walls. A high grade oil paint which dries to a soft flat tone, possessing an elastic finish. A sanitary paint, which will not rub off; may be washed with soap and water. Will not spot, turn color or fade. It is prepared, ready for use. Eleven colors: White, tan, light yellow, pea green, gray, yellow, pink, azure blue, deep cream, maroon.

9-G-905.

5 gallon cans.	Per gal....	$2.15
1 gallon cans.	Per gal....	2.20
1 quart can.	Per can.....	.70

Harris High Gloss Enamel

For fine interior enamel work. These enamels are especially prepared to meet "easy to apply" requirements of the novice or housewife. Particularly adapted for walls and ceilings in bed rooms, bath rooms, and kitchens. Made in twelve beautiful shades: White, pale blue, deep cream, vermillion, sea green, rose pink, orange, royal blue, silver gray, green, carmine and black.

9-G-921.

1 gallon cans	$3.00
1 quart cans	.80
½ pint can	.25

White Washing and Painting Machine

SPECIAL SALE PRICE $17.50

The most practical and economical machine manufactured for whitewashing and painting. Can be used with either whitewash or cold water paints, or for spraying trees, 25 ft. high or more. Body is made of 24 gauge galvanized steel, fitted with brass cylinder valve pump, which produces a high pressure. Every machine is equipped with an agitator which works at every stroke of the pump, and keeps the solution thoroughly mixed. Every machine is equipped with solution strainer, and is guaranteed to give entire satisfaction. Ten-gallon capacity, complete with 10 ft. of ½-inch high grade hose, 1 nozzle and 8 foot extension rod.

9-G-321..... $17.50

High Grade Varnishes

EXTRA COACH VARNISH

Suitable for the best interior work. Varnish of medium color and good body. The most durable varnish for this grade of work. Can be rubbed or left in the gloss. Dries dust free in three to four hours.

9-G-1007.

1 pint cans	$ .45
1 quart cans	.75
1 gallon cans	2.25
5 gallon cans	10.00

WEARING FLOOR VARNISH

The highest grade floor varnish. Suitable for use on natural wood or painted floors. An elastic varnish that will not scratch, turn white or show heel marks. A most economical and durable floor varnish.

9-G-1013.

1 pint cans	$ .50
1 quart cans	.80
1 gallon cans	2.50
5 gallon cans	11.00

FURNITURE VARNISH

A good varnish at an unusually low price. Has a fine gloss and will rub nicely. Light in color and dries dust free in eight hours. Get the benefit of these big sale savings.

9-G-1001.

1 pint cans	$ .45
1 quart cans	.70
1 gallon cans	2.25
5 gallon cans	10.00

Carefully Chosen for This Book!

80c Black Per Gallon

An ideal roofing coating for wood, metal or composition roofs. Tough and elastic. The colors produce a beautiful effect, harmonizing with the colors used in your house paint. Made of the best grade Trinidad asphalt especially treated and combined with pure boiled linseed oil. When dry it forms a tough, elastic surface. Is not affected by expansion or contraction, acids, gases or alkali. One gallon will cover two hundred and fifty feet smooth surface. Supplied in four colors, maroon, green, brown and black.

	Per Gallon	
9-G-913—	Black	Colors
1 gallon can	$0.90	$1.28
5 gallon can	.88	1.25
25 gallon half barrels	.85	1.20
50 gallon barrels	.80	1.12

$1.35 Per Gallon

The best wood preservative known, Harris Creosote Shingle Stain is scientifically prepared. The colors are extremely durable and attractive and are guaranteed not to fade. This shingle stain is a particularly high grade material, which we guarantee to satisfy you entirely. Can be applied with a brush after shingles are laid, or shingles can be dipped before laying. When applied with a brush one gallon will cover about 150 square feet of surface one coat. For dipping it requires 2½ to 3 gallons per thousand shingles. Supplied in six colors, brown, medium green, moss green, weathered oak, venetian red and light green.

9-G-901.	1 gallon cans, per gallon	$1.45
9-G-902.	5 gallon cans, per gallon	1.42
9-G-903.	25 gallon half barrels, per gallon	1.38
9-G-904.	50 gallon half barrels, per gallon	1.35

White Lead

Our white lead is non-poisonous, is carefully ground and scientifically mixed. Ground in pure oil. Our "Inlaid Pure" lead is recommended and will give extra good service. Our "Premier" lead is of guaranteed quality.

9-G-1106.

"Premier" White Lead

100	lb. kits, per lb	11c
50	lb. kits, per lb	11¼c
25	lb. kits, per lb	11½c
12½	lb. kits, per lb	12c

9-G-1107.

"Inland Pure"

100	lb. kits, per lb	16c
50	lb. kits, per lb	16½c
25	lb. kits, per lb	17c
12½	lb. kits, per lb	18c

Lubricating Oils and Greases

9-G-601. High grade Tractor Engine Oil, tested and approved by leading Tractor manufacturers and highly recommended as a splendid lubricant.

Per gallon	$1.00
5 gallon cans, per gallon	.95
25 gallon barrels, per gallon	.85
50 gallon barrels, per gallon	.75

Separator Oil Recommended for Cream Separators.

A light colored oil, recommended for hand and power machines.

9-G-10819—	Per Gal.
1 gal. can	$1.25
5 gal. cans	1.20
25 gal. half bbls.	1.10
50 gal. bbls.	1.00

Red Engine Oil

Highest grade lubricating oil. 500 fire test. 200 viscosity test.

9-G-10815—	Per Gal.
1 gal. can	85c
5 gal. cans	80c
25 gal. bbls.	65c
50 gal. bbls.	60c

Axle Grease

Highest quality refined grease. Lessens friction and lightens draft. Guaranteed to give satisfaction.

9-G-10847—

10 lb. pail	$1.05
15 lb. pail	1.40
25 lb. pail	2.15

Cup Grease

High grade transmission grease. Will not gum or harden. Prevents rust and reduces friction. A superior lubrication for general transmission.

9-G-10843—

5 lb. pails	$0.90
10 lb. pails	1.70

Wall Paper Cleaner

For calcimine, wall paper, window shades and all interior decoration. Absorbs all smoke, dust and dirt. Will not stain or fade.

9-G-10855. Price per can 9c

Paint Cleaner

1-lb. Package **9c**

An ideal preparation for washing paint, walls, woodwork or any surfaces that can not be cleansed with soap and water. Guaranteed not to damage the furniture or woodwork. Put up in 1 lb. packages. Price, each. 9c

Priced for Real Economy

INTERIOR SPAR VARNISH

Adapted for interior finishes for highest grade work. Light in color. Made from pure hard gum. Can be left in the gloss or rubbed. Dries hard for rubbing in 48 hours.

9-G-1017—

1 pint can	$ 0.60
1 quart can	.90
1 gallon can	3.00
5 gallon can	14.00

OUTSIDE SPAR VARNISH

Recommended for finishing woodwork in bath rooms or any woodwork that may have hard usage or come in contact with water.

9-G-1019—

1 pint can	$ 0.65
1 quart can	1.00
1 gallon can	3.25
5 gallon can	15.00

LINOLEUM VARNISH

Applied over linoleum it gives a hard, smooth, elastic finish that will bend with the linoleum. Will not crack. Not affected by hot or cold water. Dries to walk on over night.

9-G-933—

1 pint can	$ 0.50
1 quart can	.80
1 gallon can	2.50
5 gallon can	11.00

Harris High Gloss Lacquer

Recommended for finishing furniture and woodwork.

This lacquer is especially prepared, so that highest results can be obtained by an inexperienced person. Fourteen shades: Light oak, cherry, gloss white, flat black, rosewood, walnut, dark oak, moss green, gloss black, mahogany, royal red, clear, flat white and ground color.

9-G-1101—

1 gallon cans	$2.10
1 quart cans	.65
½ pint cans	.23

Varnish Stain

Recommended for use over a surface already varnished or painted, such as old furniture, varnished or painted woodwork, Harris Varnish Stain dries hard with a high luster and is easily applied with a varnish brush. It is made in the following colors: Cherry, Mahogany, Rosewood, Dark Oak, Light Oak, Walnut, Antique Oak.

9-G-171. Per half pint can .. 20c

Per 1 pint can	$0.30
Per 1 quart can	.52
Per ½ gal. can	.96
Per gal. can	1.75

OIL Stain

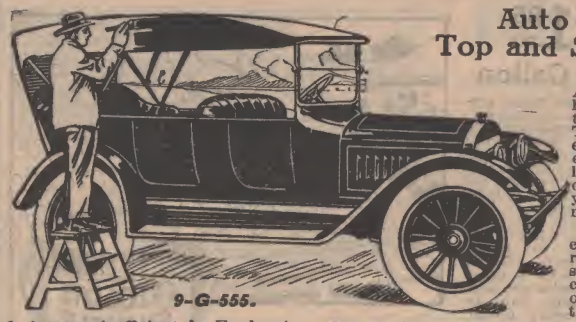
A Perfect Imitation of Natural Wood. Used for staining interior woodwork and other work not finished. Dries with a flat finish. One or two coats of varnish will produce a fine glossy surface. It is easily applied with a varnish brush. Made in the following shades: Cherry, Dark Oak, Mahogany, Light Oak, Rosewood, Walnut, Antique Oak.

Prices on above shades:

9-G-175. Per half pint can .. 20c

Per 1 pint can	$0.30
Per 1 quart can	.52
Per ½ gal. can	.95
Per gal. can	1.75

Ladders and Paint Accessories!



9-G-555.

Auto Enamel Top and Seat Dressing

Harris Auto Enamel and Auto Top and Seat Dressing have been prepared to renew the appearance of your car. They can be quickly and easily applied, requiring no expert knowledge. With a little of your time and the use of these excellent varnishes, you can make your automobile look like new.

Top and Seat Dressing especially prepared for leather, rubber or mohair tops, and seats and curtains. Fills cracks, covers stains, restores original finish and preserves the life of the fabric.

1 pint cans (sufficient for Ford car)	$0.60	1 gallon cans	$3.00
½ pint cans	.30	1 quart cans (sufficient for touring car)	.80

Colors in Oil

9-G-817. The strongest, most durable unfading colors obtainable. For use in tinting or may be used as it is furnished with the addition of proper thinners. Put up in 1 and 5 lb. cans.

Colors:	1 lb. cans
Drop Black	$0.30
Ivory Black	.30
Coach Black	.30
Lamp Black	.45
Prussian Blue	1.25
Ultramarine Blue	.45
Cobalt Blue	.68
Raw Umber	.27
Burnt Umber	.27
Raw Sienna	.27
Burnt Sienna	.27
Vandyke Brown	.54
Chrome Green	.35
Blind Green	.35
Scarlet Vermilion	.90
Tuscan Red	.60
English Venetian Red	.20
Chrome Yellow (Light)	.36
Chrome Yellow (Medium)	.36
Chrome Yellow (Orange)	.36
Yellow Ochre	.20
English Rose Pink	.60
English Rose Lake	.60
Light Oak Graining	.30
Dark Oak Graining	.30
Antique Oak Graining	.30
Walnut Graining	.30
Cherry Graining	.30
Mahogany Graining	.30

Flake Glue

9-G-231. First Grade Flake Glue. Can be used on both soft and hard woods or for making printers' rollers, emery wheels, white mouldings or any other purpose where great strength and flexibility are required.

Price, per pound 30c
Price, 100-pound drums, per pound 28c
Price, 200-pound drums, per pound 26c

9-G-333. XX Flake Carpenters' Glue. Specially adapted for cabinet makers, carpenters, chipping glass and general repairing.

Price, per pound 24c
Price, 100-pound drums, per pound 22c
Price, 200-pound drums, per pound 20c

9-G-335. XXX Kalsomine Glue. A thin cut pure sizing glue, used largely by kalsominers, also by cabinet makers for high-grade joining.

Price, per pound 18c
Price, 100-pound drums, per pound 16c

Sand Paper

9-G-349. Best quality sand paper. The sand is sharp flint and applied to paper by special process.

The No. 00 is the finest and No. 3 is the coarsest. Put up 24 sheets to the quire, one number only. Assorted quires take the sheet price.

Numbers	00	0	½	1	1½	2	3
Price, 24 sheets	30c	31c	32c	35c	40c	46c	58c
6 sheets for	10c	10c	10c	10c	12c	13c	15c

XXX QUALITY EMERY CLOTH

9-G-351. Made on heavy twilled cloth back and covered with the best quality emery.

Numbers	00	0	½	1	1½	2
24 sheets	$1.60	$1.62	$1.65	$1.67	$1.80	$2.00
3 sheets	.45	.45	.45	.45	.50	.55

Wood Filler

9-G-1049.

For filling or first coating any kind of close grained wood. Thoroughly seals up wood pores, and prevents absorption of moisture. This wood filler is transparent, does not need to be rubbed. Recommended for wood work where one or two coats of varnish are to be applied.

1 qt. cans each $0.60
1 gal. cans, per gal. 1.80

Pure Putty

Specially adapted for Painters' and Furniture Manufactures' use. Guaranteed strictly pure. Will not crumble or crack.

9-G-1107.

Price, 20 lb. cans $1.00
Price, 10 lb. cans ..... .55
Price, 4 lb. cans ..... .42
Price, 1 lb. can ..... .12

STEEL WOOL

9-G-352. Size 3 Steel Wool used in place of No. 1 or 1½ sand paper. This brand of steel wool enables the painter or decorator to turn out a smooth, glossy piece of work.

Price
Per 1 lb. package 40c

9-G-353. Steel Wool for household use. The most efficient and economical time saver of all household cleansers. Packed in convenient cartons containing 2 oz. No. 0—Very fine, recommended for aluminum ware. Price per package 9c

No. 3. Recommended for pots and pans and floors. Price, per package 9c

Farm or Long Ladders

9-G-1223. Sides are made of clear pine. Hickory rungs fastened in the same manner as our extension ladders. A strong, rigid ladder, suitable for all general purposes.

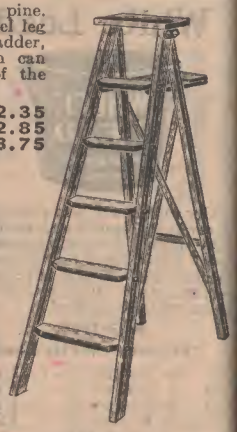
Length	Price
10 feet	$2.40
12 feet	2.90
14 feet	3.35
16 feet	3.85
18 feet	4.60
20 feet	5.10

Trestles and Step Ladders

9-G-1229. Made of clear pine strongly constructed and well braced. Arranged so that plank may be put on either step. Steps are iron braced in front and back.

Height	Price
5 feet	$3.00
6 feet	3.60
8 feet	4.80
10 feet	6.00

Superior Step Ladders



9-G-1241. Made of clear pine. Rods under every step. Steel leg spreaders. A strong, safe ladder, fitted with pail shelf, which can be readily folded up out of the way when not in use.

Height, 5 feet. Price, each. $2.35
Height, 6 feet. Price, each. 2.85
Height, 8 feet. Price, each. 3.75

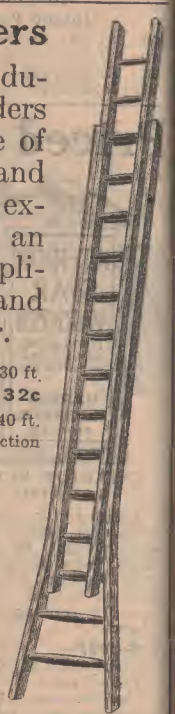
Automatic Self-Locking Ladder

These ladders are made from selected clear pine, fitted with pail shelf, hinges made of galvanized sheet steel, securely fastened to the flanges. This is a durable ladder, quoted at a low price.

9-G-1244. 4 feet, 20 pounds $1.40
9-G-1245. 5 feet, 22 pounds $1.75
9-G-1246. 6 feet, 26 pounds $2.10
9-G-1247. 8 feet, 30 pounds $2.75

Extension Ladders

Strongest and most durable extension ladders manufactured. Made of clear selected pine, and hickory rounds. The extension rollers are of an improved design, simplifying the lowering and elevating of the ladder.



9-G-1250. Two sections from 20 to 30 ft. —per foot 32c

9-G-1251. Two sections from 30 to 40 ft. —per ft. 35c. $1.00 extra for 3 section ladder.

Rope Extension Ladders

9-G-1221. Top section raised and lowered by a rope and pulley attachment. Fitted with improved automatic locking hooks, furnished only in two sections.

Lengths, 20 to 30 feet 42c
Price, 30 to 40 ft. Per Foot 45c

Home Painting and Finishing Needs!

Bath Tub Enamel

Produces a hard, smooth, highly polished and non-absorbent surface. Effectually resists the action of hot and cold water, soaps and other preparations used in baths. With one pint you can do over and give it that new effect. Same remarkable results on sinks and wood and iron work about the house. No skill is required. Easily applied, will dry over night.

9-G-903. Half Pint..... **35c**

Pint..... **57c** Quart..... **$1.00**

Painter's Time Saver

With this little tool you can paint as fast as you like and need have no fear of spoiling the decorations. Made of light metal, highly polished. No danger of spoiling the wall paper, window panes or door glass, etc. Also used when washing woodwork. Shipping weight, 8 oz.

9-G-13001.
Price Each..... **20c**

Alcohol Shellac

Made from the finest grades of Guaranteed Pure Gum Shellacs in Denatured Alcohol. Used as first coat on furniture and interior work, except floors on which varnish is to be applied. Dries hard in about 2 to 4 hours. Will cover from 300 to 400 square feet, one coat. Pure Orange Shellac will give the wood an Oak color. White shellac is used where no color is desired. Also recommend it for coating knots and sappy spots before painting.

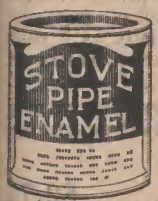
9-G-1039. Pure Orange Shellac.

Pt. Cans	Qt. Cans	½ Gal. Cans	1 Gal. Cans
65c	$1.05	$1.95	$3.50

9-G-1041. Pure White Shellac.

Pt. Cans	Qt. Cans	½ Gal. Cans	1 Gal. Cans
75c	$1.20	$2.20	$4.00

Stove Pipe Enamel



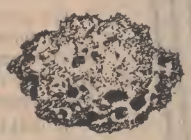
9-G-935. For stove pipes, stoves, furnaces, grates, smokestacks, iron fences; gives an enamel finish. We have reduced to a liquid state a mineral of volcanic deposit of intense blackness. Withstands heat and retains its brilliant, black luster. It will not peel or burn off; the surface to be painted is cold. A pint is sufficient for six lengths; black only.
Price, ½ pint..... **15c**

Pint, **22c** Quart, **39c** Half Gallon, **75c**

Makes screens look like new. Does not clog the mesh. Dries hard and quickly. Green or black.

9-G-931

Gallons.....	$1.50
Quarts.....	.45
½ pint.....	.20



Large sponge, especially adapted for cleaning automobiles. A sponge that is guaranteed to give best service.

9-G-580 ..... **50c**

Paste Wood Filler

9-G-1051. Better than any other, as it completely fills the pores, making an impervious surface over which to varnish. Apply with a brush, and after allowing 20 to 30 minutes to set, wipe off smoothly with a rough piece of burlap, wiping across the grain. Ten pounds will fill about 450 square feet.

Made in three shades, natural, light oak and dark oak.

1 lb. can..... **20c** 5 lb. can..... **90c**

Kalsomine 16 Colors

Can be applied by anyone. Shipped in powdered form, ready for use by mixing in hot water. Furnished in white, pea green, light green, lavender, blue, salmon pink, light pink, light tan, buff, gray, green, ivory and yellow. Put up in 4-lb. packages, enough for ordinary sized room.

9-G-315.
Price, per package..... **45c**

FREE! Color Paint Chart

The most complete and attractive paint color folder ever produced. Mounted with chips showing the actual colors of Harris guaranteed paints, stains, lacquers, enamels and calcimine. Makes it easy for you to select the exact colors you wish. Ask for your copy now.

Premier T. Japan

9-G-1025. Is a very reliable heavy bodied oil drier. Will mix with any paint formula without any bad results. Is transparent and has a tendency to add durability to paint instead of burning up the durable qualities of the oil.

Pint	Quart	½ Gal.	1 Gal.	5 Gals.
40c	50c	85c	$1.55	$7.50

Interior Floor Paint

Per Gallon **$1.85**

Harris Durable Floor Paint. Specially prepared and guaranteed to resist wear, washing with hot water and scrubbing, retains its bright, shiny surface. Paint dries overnight with a high gloss. Remains dust free and will be hard enough to walk on in twenty-four hours. Made in the following colors: Gray, russet, yellow, red, lead, green, tan and maroon. Specify color desired when ordering.

9-G-809. Harris Ready Mixed Floor Paint—

5 gallon cans, per gallon.....	$1.85
1 gallon cans, per gallon.....	1.95
1 quart cans.....	.60

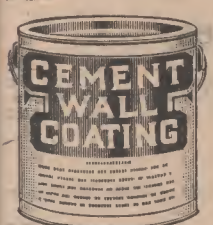
Harris Porch Paint

Per Gallon **$3.35**

Harris Porch Floor Paint. Specially prepared for floor work of porches and stairways. Guaranteed to resist the effects of rain, sun or most severe weather. It is particularly made of highest grade ingredients, which give the greatest preserving and resisting qualities for outside wear. Dries overnight, and obtains a high luster. Made in the following colors: Gray, russet, yellow, lead, red, green, tan and maroon. When ordering specify color desired.

9-G-810. Harris Durable Porch Floor Paint—

5 gallon cans, per gallon.....	$3.35
1 gallon cans, per gallon.....	3.40
1 quart cans.....	.90



Cement Wall Coating

Strictly formulated after careful tests to meet the exact physical and chemical requirements of a masonry surface. Guaranteed the most efficient and damp-proofing treatment. It penetrates into the pores of the surface, and on hardening thoroughly seals them. Will not wash off. Stands the hardest usage. An ideal paint for hotels, hospitals, schools or wherever cement is used. Furnished in dark cement, moss green, tan, brown, copper color and slate.

9-G-1201. Cement Wall Coating—

50 gallon barrels, per gallon.....	$2.35
25 gallon half barrels, per gallon.....	2.43
5 gallon kits, per gallon.....	2.47
1 gallon cans, per gallon.....	2.50
1 quart cans, each.....	.70

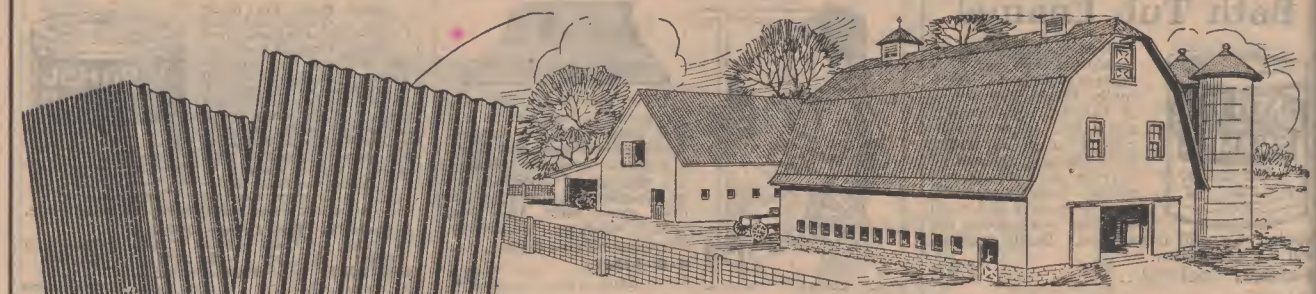
Cement Floor Coating

On ordinary floors it is almost impossible to make them look clean, but with our Harris Cement Floor Coating they not only make an attractive appearance, but are durable and it is almost impossible for any dust to lie on the surface. The concrete absorbs moisture so rapidly that it is impractical to clean them by ordinary methods.

Harris Cement Floor Coating makes the surface waterproof and at the same time so binding the particles that the dust making feature is eliminated. We can furnish same in the following colors: Cement, Pearl Gray, Slate, Terra Cotta.

Lot No. 9-G-1211.	One quart cans.....	$0.68
Lot No. 9-G-1215.	One gallon cans.....	2.48
Lot No. 9-G-1217.	Five gallon kit, per gallon.....	2.45

New Corrugated Sheets



We are able to offer new corrugated black sheets through a special arrangement whereby we have purchased the entire output of black sheets from one of the large sheet mills. This material will be furnished exactly as it runs from the mill and we will corrugate same in 1¼″ or 2½″ corrugation, whichever you prefer. The sheets are all 24″ wide or wider, and 4 ft. to 10 ft. in length.

It will be necessary for you to give us the length of your rafters that we may ship you from this stock lengths that will work in to your best advantage. Offered in the following gauges:

Lot **7-G-200.** Standard weight corrugated sheets.
Per square of 100 square ft. **$2.75**

Lot **7-G-202.** 28 gauge new corrugated sheets.
Per square of 100 square ft. **3.00**

Lot **7-G-204.** 26 gauge new corrugated sheets.
Per square of 100 square ft. **3.45**

$2.75 Per Square

SPECIAL PAINT

We are in a position to furnish red or black paint if you prefer to coat your sheets after application at a big saving to you. Offered as follows:

Red Paint

Each gallon will cover 400 square ft.

3 gallon cans	Each,	$3.90
5 gallon drum	Each,	5.75
30 gallon drum	Each,	29.40
55 gallon drum	Each,	49.50

Black Paint

Covering surface 300 square ft. to a gallon.

3 gallon drum	$2.40
5 gallon drum	3.75
30 gallon drum	19.50
55 gallon drum	33.00

New Galvanized Corrugated Sheets

We have in stock for shipment from Chicago, New Galvanized Sheets, furnished in 1¼″ or 2½″ corrugation.

Sheets will run 24″ wide and wider, 4 to 10 ft. in length. Give us the length of your rafters and proper lengths to work in without waste will be sent you.

Lot **7-G-206.** 28 gauge new galvanized corrugated sheets.
Price per square of 100 square ft. **$5.50**

Lot **7-G-208.** 26 gauge new galvanized corrugated sheets.
Price per square of 100 square ft. **6.00**

$5.50 Per Square

Roofing Accessories

Nails for roofing, per square 8c
Lead washers guaranteeing an absolutely water tight joint, per square 7c
New galvanized ridge roll with a corrugated apron. Price per ft. in 5 or 10 ft. lengths, only 12c

Brick Siding

Smooth imitation Pittsburgh brick siding. Suitable for outside of entire building or foundation covering.

Lot **7-G-210.** New red painted pressed brick siding sheets.
Price per square of 100 square ft. **$3.75**

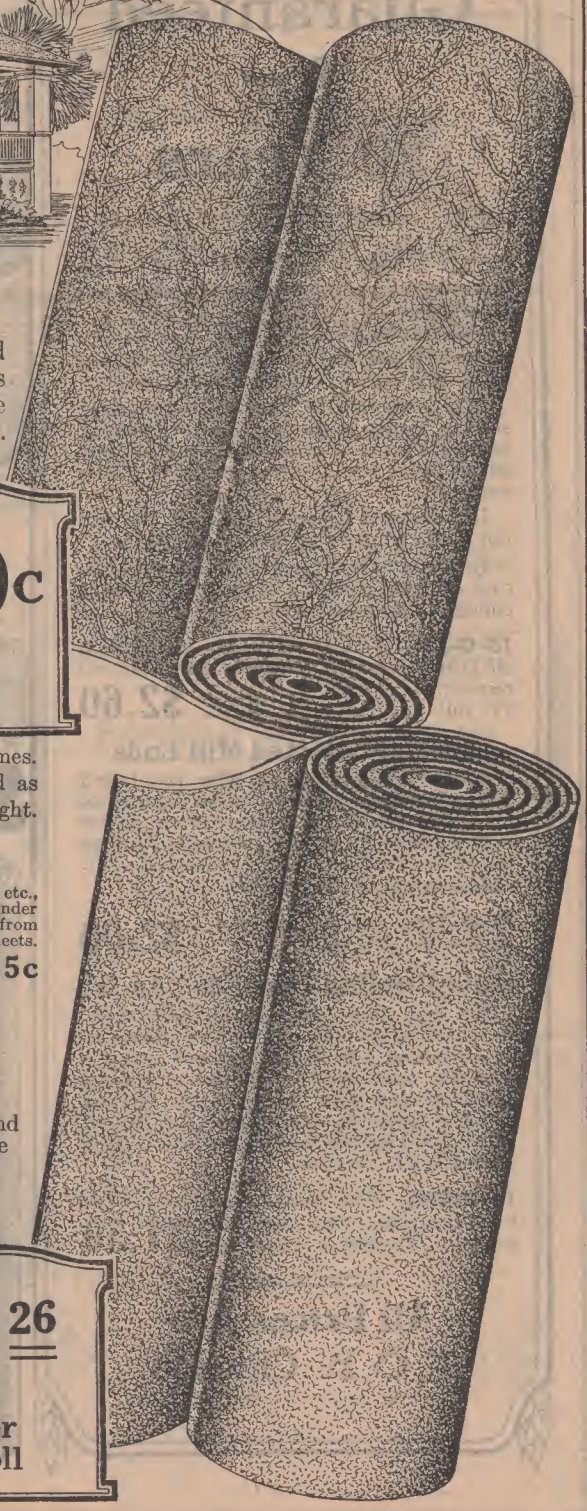
These sheets are suitable for inside either walls or overhead. They show a ⅜″ bead on a 3″ center running parallel with the length. Gives the appearance of a wood beaded ceiling when erected.

Lot **7-G-212.** New red painted beaded ceiling sheets—standard weight.
Price per square of 100 square ft. **$3.75**

All Prices are F.O.B. Cars, Chicago

AJAX ROOFING

RAWHIDE ROOFING



Wonderful Values!

Represents thousands of rolls of high grade seconds and mill ends, purchased by us from various mills and sold as they run. It is all standard weight and slight defects are scarcely noticeable. Surfaced smooth, talc and sand finish.

Each roll is complete with nails and cement—108 square ft. to a roll.

13-G-300.	Ajax light weight per roll	$ .99
13-G-302.	Ajax medium weight per roll	1.23
13-G-303.	Ajax heavy weight per roll	1.41

99c Per Roll

Repair Job Roofing!

Good for lining—wind breaks—small roofing jobs—repair work—patches—a dandy article to have on hand at all times. Order a few rolls with your regular order. These rolls are classed as seconds and run 108 square feet to the roll. We cannot guarantee weight. The rolls may run all heavy or in mixed plies to each roll.

13-G-304. Repair Job Roofing.
Per roll..... $1.00
Nails and Cement, per roll extra..... 10c

Tar Paper

Good for basement lining, sheathing, etc., and especially recommended to lay under metal roofing to keep the moisture from accumulating on the underside of the sheets.
13-G-305. Tar Paper.
108 square feet to roll..... 35c

RAWHIDE ROOFING "Tough as its Name"

No other name than "Raw-hide" in its full meaning could be found for this pliable, tough roofing—no need for any other description—the name tells the story.

We know the quality of every ounce of material entering into the manufacture of this roofing—we know every step in the method of its preparation for the market, to the extent that we guarantee to replace free of charge every roll defective in quality within the time of our guarantee.

Why not buy a roofing upon which the burden of its wear rests upon us? Some rolls may run in two lengths. Every roll contains 108 square feet and is complete with cement and long or short nails.

13-G-306.	Raw-hide, light weight, 8 year guarantee. Price, per roll	$1.26
13-G-307.	Raw-hide, medium weight, 10 year guarantee. Price, per roll	$1.46
13-G-308.	Raw-hide, heavy weight, 12 year guarantee. Price, per roll	$1.66

$1.26 Per Roll

Gold Medal Roofing

Rawhide Stone Faced

Guaranteed for 20 Years

We replace, free of charge, every roll of GOLD MEDAL ROOFING that proves defective in quality within the term of our Guarantee.

The best grade of felt, the highest quality of asphalt and the best method known of saturating are all combined in this product.

Our perfection in the weather-resisting surface, known to no other class of material, is due to years of experiments and enables us to place the above guarantee on this material.

It is fire and lightning resistant and will not ignite from flying brands or sparks.

Regulation ⅞-inch nails or long nails for over shingles, packed complete with cement enough to lay every roll.

13-G-314. GOLD MEDAL ROOFING, 20 Year Guarantee, complete with nails and cement. Per roll..... **$2.60**

Special-Selected Mill Ends

Under this heading we offer you brand new, 85 to 90 pound slate coated roofing put up in full rolls of 108 square feet, complete with nails and cement. All rolls running about two to three lengths to the roll—furnished in red or gray-green.

13-G-315. Special selected Mill ends. Per roll..... **$2.00**

Slate Roofing Seconds "As Is"

We buy from various manufacturers, slate coated seconds, more or less defective in surfacing. 85 to 90 pounds stock—defective spots can be cut out or roofing could be used with the underside exposed and the defective side next to the roof or with a good coat of heavy paint will make a lasting roof covering.

13-G-316. Slate seconds, unselected, full rolls complete with nails and cement. Per roll..... **$1.50**

All Prices Are F. O. B. Chicago

Slate Coated Roofing

Red or Gray

Asphalt Shingles

Slate Coated

$4.55

Per Square of 100 Square Feet

Lot No. 13-G-311

Here Is Your Chance to S-A-V-E!

We offer you here first quality 15-year GUARANTEED high grade standard weight shingles at way below market prices.

Square Butt Slate Coated 4-in-1 Slab Asphalt Shingles

These shingles are made in standard Underwriters specifications, surfaced in all styles with natural colored red, gray-green or blue-black crushed slate coating. There is no better standard shingle on the market. Slabs are 33 inches long, 10 inches wide. **State color wanted.**

13-G-309. In squares of 100 square feet, weight about 200 lbs.
Price per square..... **$7.00**

Harris "Doubletite" Slabs

Standard weight, first quality self spacing four-in-one slabs. Same as the square butt slab illustrated except corner of each shingle is clipped off. Gives a scallop effect when laid—no corners to blow up or curl. Furnished red, blue-black or green. Will mix colors for variegated roof if requested.

13-G-3009. Harris Doubletite four-in-one slab (state color).
Price per square of 100 square feet..... **$6.75**

Slate Coated Individual Asphalt Shingles

Individual shingles of the same quality as the 4-in-1 shingles above. They are 9 inches by 12¾ inches in size and are laid 4 inches to the weather and ½ inch apart, nailed 5 inches from the butt of the shingle. In red, gray-green or blue-black. **State color wanted.**

13-G-310. In squares of 100 square feet, weight about 240 lbs. Price per square..... **$6.50**

SHINGLE SECONDS

We have on hand at all times, a limited quantity of Factory seconds in three distinct styles. These shingles are new, standard weight stock, but sorted as seconds because of slight imperfections in slate coating or color. Can be sorted with little waste and a good and satisfactory job be made. Slate coated in red, gray-green or blue-black. **State color preferred.**

13-G-311. Square Butt Four-in-One Slabs (Factory Seconds). Per square of 100 sq. ft..... **$4.55**

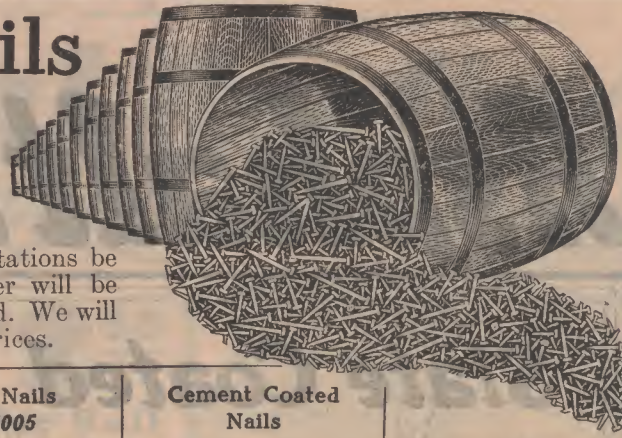
13-G-312. Doubletite Slabs—Same as Square Butt except that the corners are cut from the butt of each shingle. Factory Seconds. Per square of 100 sq. ft..... **$4.30**

13-G-313. Individual Shingles—Factory Seconds. Per square of 100 sq. ft..... **$4.00**

BE SURE TO ORDER BY NUMBER AND STATE COLOR WANTED.

Standard Wire Nails

Full Length—All Sizes



These wire nails are regular standard stock, high grade and full length. The prices below are figured from the latest quotations received by us at the time this book was printed. The present uncertain conditions of the nail market necessitate that all our quotations be made subject to change without notice. Your order will be shipped at prices which prevail at the time it is received. We will see that you get every possible benefit of a decline in prices.

Common Wire Nails
2-G-4001

Size	Per Keg	Per Lb.
2d	$5.20	6c
3d	4.90	
4d	4.55	
6d	4.35	
8d	4.05	
10d	3.95	
12d	3.90	
16d	3.85	
20–60d	3.75	

Fine or Lathe
2-G-4009

Size	Per Keg	Per Lb.
3d	$5.35	6c

Finishing Nails
2-G-4003

Size	Per Keg	Per Lb.
2d	$5.75	6c
3d	5.30	
4d	5.00	
6d	4.75	
8d	4.35	
10d	4.20	
12d	4.15	
16d	4.00	
Larger	3.90	

Casing Nails
3-G-4005

Size	Per Keg	Per Lb.
2d	$5.45	6c
3d	5.10	
4d	4.85	
6d	4.50	
8d	4.25	
10d	4.10	
12d	4.05	
16d	3.95	
Larger	3.85	

ROOFING NAILS

2-G-4060. Bright Large Head Barbed Roofing Nails, ⅞-inch, No. 10.... **$7.50, Keg— 9c, Lb.**

2-G-4061. Bright Large Head Barbed Roofing Nails, 1¼-inch, No. 10... **$7.00, Keg— 9c, Lb.**

2-G-4062. Galvanized Large Head Barbed Roofing Nails, ¾-inch, No. 10..**$10.00, Keg—11c, Lb.**

Cement Coated Nails
2-G-4059

Size	Per Keg	Per Lb.
3d	$4.60	6c
4d	4.25	
6d	4.05	
8d	3.75	
10d	3.65	
16d	3.75	
20–60d	3.65	

Galvanized Shingle Nails
2-G-4013

Size	Per Keg	Per Lb.
3d	$7.30	9c
4d	7.10	

Standard Nail Sizes and Lengths in Inches

Size	Length, Ins.	Diam. Ins.
60d	6	9/32
40d	5	7/32
30d	4½	13/64
20d	4	3/16
10d	3	5/32
8d	2½	5/32
6d	2	1/8
4d	1½	1/8
3d	1¼	3/32
2d	1	3/32

Steel Wire Brads

2-G-4017. Put up in 1 pound packages.

Length, inches	½	⅝	¾	⅞	1	1¼	1½
Gauge wire	19	18	18	17	16	15	15
Price, per pound	19c	18c	16c	15½c	15c	14½c	14c

Slim Wire Nails

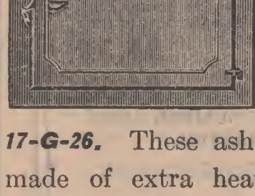
2-G-4619. Put up in 1 pound packages.

Length, inches	¾	⅞	1	1¼	1½
Gauge wire	18	17	16	15	15
Price, per pound	18c	14c	14c	13c	13c

100 lbs. of New Mixed 3d to 40d Wire Nails $2.25

A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. They always come in handy. Don't forget to include this bargain with your order.

2-G-4055. 100-lb. keg of mixed nails, 3d to 40d, price.......................... **$2.25**



Ash Pit Doors

$1.00 and Up

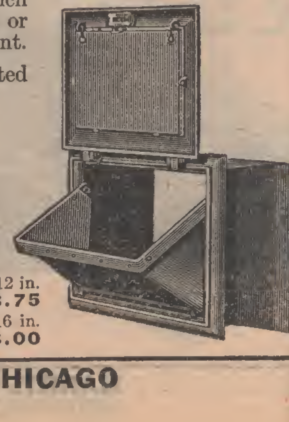
17-G-26. These ash pit doors are made of extra heavy cast iron, easily fitted and absolutely tight. Japanned.

	Opening Size	Price
No. 1	8x 8	$1.00
No. 3	10x12	1.50
No. 5	12x15	2.50

Coal Chutes $10.00

These heavily constructed steel chutes are designed to be placed in the cellar wall the same as a window. They serve as a substantial protection to the building in which they are and are a convenient opening for coal, wood or other material which is to be taken into the basement.

These chutes are made of heavy steel, all parts painted before shipment, door equipped with patented lock which prevents accidental closing. Chutes equipped with hoppers are so built that hopper can be removed if desired.



No. 17-G-151. Size 16 in. high x 24 in. wide for walls up to 12 in. Price with Hopper...**$10.00**

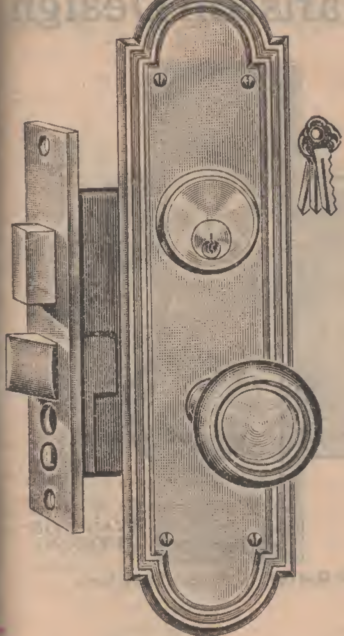
No. 17-G-153. Size 22 in. high x 32 in. wide for walls up to 16 in. Price with Hopper....**$14.65**

No. 17-G-154. Size 16 in. high x 24 in. wide for walls up to 12 in. Price, without Hopper.............................**$8.75**

No. 17-G-155. Size 22 in. high x 32 in. wide for walls up to 16 in. Price, without Hopper.............................**$13.00**

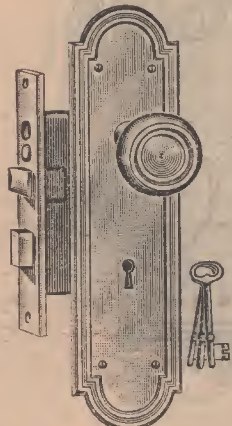
Ardmore Design Lock Set

Wrought bronze and wrought steel in beautiful French sanded finish with high spots polished. Material and workmanship of the highest quality. These lock sets are recommended for the most elaborate and beautiful homes.



Cylinder Lock Set

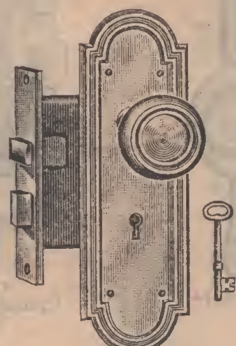
4-G-3364. Genuine wrought bronze, 5-pin tumbler, non-pickable lock. Escutcheon 11½ inches long, 3 inches wide. Flat face seamless knobs, 2¼ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, 1½ to 2¼ inches thick. Furnished with 3 keys and screws to match. French sanded finish.
Price.......................**$11.00**



Bit Key Lock Sets

4-G-3365. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left hand door. Furnished with 3 keys and screws to match lock set. French sanded finish.
Price...................**$4.50**

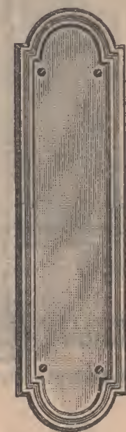
4-G-3366. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish. Price.....**$3.00**



Inside Door Lock Set

4-G-3367. Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.
Price...................**$2.60**

4-G-3368. Wrought steel same as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.
Price...................**$1.25**



Push Plates

4-G-3369. Genuine wrought bronze push plate for swinging doors, French sanded finish. Furnished with screws to match. Platesize, 11½x3 ins.
Price, each.........**$1.50**

Kenilworth Design Lock Set

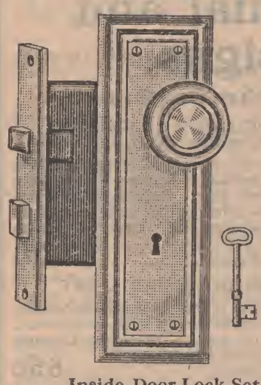
Are of the broad beveled pattern. The simple design gives them the appearance of the heavy cast bronze lock set. These sets are French sanded finish. Finest material and workmanship.

Push Plates

4-G-3370. Genuine wrought bronze push plate for swinging doors. French sanded finish. Furnished with screws to match. Plate size, 10½x2¾ inches.
Price, each.........**$1.40**

Glass Push Plates

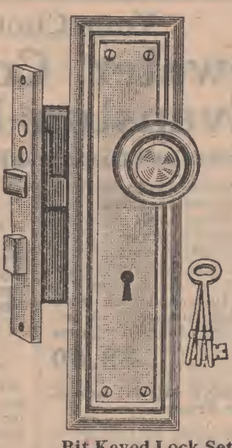
4-G-3370½. Made of heavy plate glass, edges beveled; ground and smoothly finished; size 3½x12 inches. Two nickel-plated screws.
Price, each............**70c**



Inside Door Lock Set

4-G-3371. Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.
Price...................**$2.40**

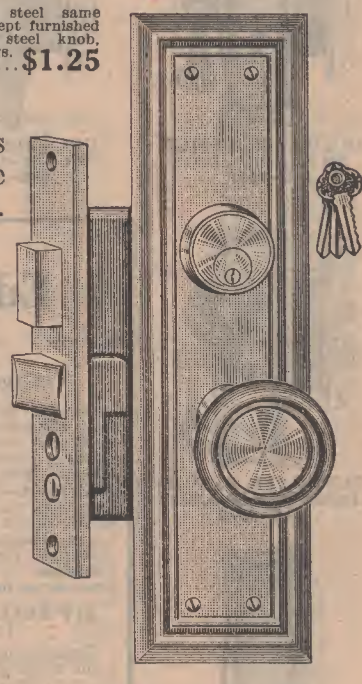
4-G-3372. Wrought steel plated as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.
Price...................**$1.15**



Bit Keyed Lock Set

4-G-3373. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, 8½x2⅝ ins. wide. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left door. Furnished with three keys and screws to match lock set. French sanded finish.
Price...................**$4.25**

4-G-3374. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish.
Price...................**$2.75**



Cylinder Lock Set

4-G-3375. Genuine wrought bronze 5-pin tumbler, non-pickable lock. Escutcheon, 11½ inches long, 3 inches wide. Flat face seamless knobs, 2¼ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, 1½ to 2¼ inches thick. Furnished with 3 keys and screws to match. French sanded finish.
Price.......................**$10.25**

Big Savings in Dependable Hardware for Builders

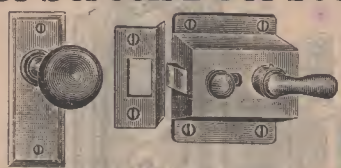
GENUINE WROUGHT BRONZE CYLINDER STORE DOOR LOCK AND HANDLE

4-G-3355. Antique copper finish. Size of lock, 5x3½ inches, 5 pin tumbler cylinder non-pickable. Size of plates, 3x12 inches. 2 bar handle grips, one for either side of door. 3 German silver keys. Reversible for right or left hand door. Complete with screws to match.
Price, per set **$10.25**

GENUINE WROUGHT BRONZE CYLINDER STORE DOOR LOCK AND HANDLE

4-G-3363. Antique copper finish. Size of lock 5x3½ inches, 5-pin tumbler cylinder non-pickable. Size of plates, 3x12 inches. 2 handles, 1 for either side of door. 3 German silver keys. Complete with screws to match.
Price, per set **$11.75**

French Window or Screen Door Set

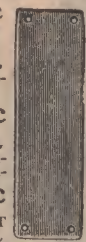


Reversible Rim latch, size 2x2⅜ inches. Escutcheon, 1½x4½ ins. Can be set by slide knob, which prevents opening from outside.

4-G-15012. Lemon Brass. Price.................... **65c**
4-G-15013. Antique Copper. Price.................... **65c**
4-G-15014. Sand Finish. Price.................... **75c**

DOOR PUSH PLATES

Size, 2¾x9¾ inches, finely finished with screws to match.



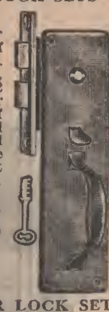
GENUINE BRONZE METAL

4-G-3583. AntiqueCopper finish. Each **45c**
4-G-3584. Old or Lemon Brass finish. Each **45c**

WROUGHT STEEL PLATED

4-G-3585. Antique Copper finish. Eacn.......... **22c**
4-G-3586. Old or Lemon Brass finish. Each.......... **22c**

WROUGHT STEEL ELECTRO BRONZE PLATED STORE DOOR HANDLE AND LOCK SETS



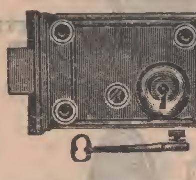
4-G-3359. Antique Copper finish. Size of lock, 4¾x3¼ ins. Size of plates, 3x12 inches. 2 handles, one for either side of door, 2 nickel plated flat steel keys. Reversible for right or left hand doors. Complete with screws to match. Price, per set **$3.45**

GENUINE WROUGHT BRONZE PLATED STORE DOOR LOCK SET AND HANDLE

4-G-3361. Same as 4-G-3359. except plates, handles, bolts, strike and trimmings are genuine wrought bronze with screws to match.
Price, per set....... **$6.75**

RIM LOCKS

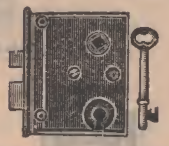
Heavy Japanned Cases. Reversible for right or left hand doors. Packed complete with screws. Each lock fully warranted.



HORIZONTAL RIM DEAD LOCKS

Size, 2x2¾ inches. Japanned iron case and escutcheons, iron key. Complete with screws.

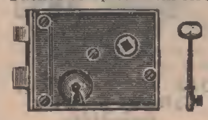
4-G-3433. Lock only, without knobs. Each................ **24c**
4-G-3437. With jet knobs. Per set...... **46c**



UPRIGHT RIM KNOB LOCK

Size, 4x3¼ inches, with stop, iron bolts and tinned malleable key.

4-G-3409. Lock only, without knob. Each... **30c**
4-G-3411. With brown mineral knob. Per set................ **50c**
4-G-3413. With jet knob. Per set........ **50c**



HORIZONTAL RIM KNOB LOCK

Size, 3⅜x4¼ inches. With iron bolts, tinned malleable key.

4-G-3421. Lock only without knob. Each.......... **30c**
4-G-3423. With brown mineral knobs. Per set.......... **50c**
4-G-3425. With jet knobs. Per set.......... **50c**

UPRIGHT RIM KNOB LOCK

Size, 4x3⅛ inches, 3 brass plated bolts, nickel-plated steel key.

4-G-3415. Lock only, without knob. Each... **35c**
4-G-3417. With brown mineral knobs. Per set................ **55c**
4-G-3419. Black jet knob. Per set........ **55c**

HORIZONTAL RIM KNOB LOCKS

Size, 3⅜x4¼ inches. 3 brass bolts, nickel-plated steel key.

4-G-3427. Lock only, without knob. Each................ **55c**
4-G-3429. With brown mineral knob. Each................ **75c**
4-G-3431. With jet knob. Per set...... **77c**

STORE DOOR RIM DEAD LOCK

4-G-3439. Strong and durable. Japanned iron case, 5x3½ inches. Heavy wrought iron bolts, steel inside bolts, 2 nickel-plated, steel folding keys. Complete, with screws. Price...... **$1.00**

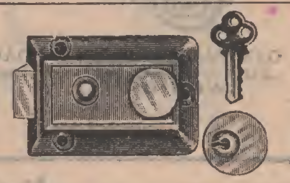
MORTISE DOOR LOCKS

Japanned case, 3⅝x‿¼ inches, iron bolts, lacquered front and strike, tinned key, japanned escutcheon with screws.

4-G-3453. Locks only, without knobs. Each.................. **40c**
4-G-3455. With brown mineral knobs. Each.................. **60c**
4-G-3457. With jet knobs. Each.......... **61c**

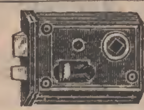
Japanned case, 3½x3¼ inches. Brass front and bolts, plated strike, nickel plated steel key, japanned escutcheon with screws.

4-G-3459. Locks only without knobs. Each.................... **92c**
4-G-3461. With brown mineral knobs. Per set.................... **$1.12**
4-G-3463. With jet knobs. Per set.................... **$1.14**



CYLINDER RIM NIGHT LATCH

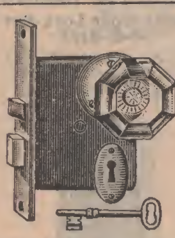
4-G-3489. A durable lock which affords the utmost security. Size, 3¾x2½ inches, with genuine bronze metal bolts, cylinder, escutcheon, knob and stop. 3 Yale pattern German silver keys, suitable for doors up to 3 inches thick.
Price.................... **$1.80**



HORIZONTAL RIM KNOB LATCHES

Size 2½x3¾ in. Japanned case, iron bolt any hub, with screws reversible.

4-G-3443. Latch only without knobs. Each................ **43c**
4-G-3445. With brown mineral knobs. Per set................ **63c**
4-G-3447. With jet knobs. Per set................ **63c**



4-G-1215. Glass Knob Inside Lock Set, considered the most beautiful lock set for inside doors; appropriate for bedroom doors. Mortise lock, escutcheon and plate. Finished in antique Copper, Lemon Brass or Nickel-plated. Octagon shape, Crystal Glass Knob furnished with key and screws. Price.......... **$1.95**

4-G-1216. Lock set same as above. nickel-plated finish. Price........ **$2.20**

4-G-1217. Glass Knob Set, Opal Finish. Popular for bathroom doors, bronze metal shank and rosette. Rosette finished in Antique Copper or Lemon Brass. Price, Each.... **$2.00**

4-G-1218. Nickel-plated Knob Set as above. Price.... **$2.25**

Mortise Door Latches

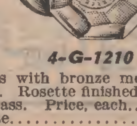
Japanned Iron Case, 1¼x3⅛ inches iron bolts, front and strike.

4-G-3467. With brown mineral knobs. Each.......... **40c**
4-G-3469. With jet knobs. Per set.......... **40c**
4-G-3465. Latch only. Per set.......... **22c**

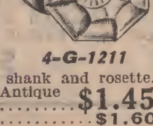
Japanned Iron Cases, 1¼x3⅛ inches. Brass front, bolt and strike.

4-G-3471. Latch only without knobs. Each..... **44c**
4-G-3473. With brown mineral knobs. Per set.... **65c**
4-G-3475. With jet knobs. Per set.............. **65c**

4-G-1209



4-G-1210



4-G-1211

Glass Door Knobs with bronze metal shank and rosette. ½ inch plain spindle. Rosette finished in Antique Copper or Lemon Brass. Price, each.............. **$1.45**
Nickel Plated Rosette.............. **$1.60**

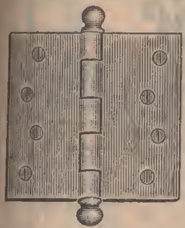
Rim Knobs

Mortise Knobs

Strictly first quality. Japanned shanks and roses. Knobs 2¼ inches in diameter with 5/16 inch spindles. Price includes one pair knobs, complete with connecting spindle. Mineral knobs are brown mottled; porcelain knobs are white; jet knobs are black.

4-G-3477. Mineral knobs for rim locks. Each.................. **20c**
4-G-3479. Porcelain knobs for rim locks. Each.................. **20c**
4-G-3481. Jet knobs for rim locks. Each.................. **20c**
4-G-3483. Mineral knobs for mortise locks. Each.................. **22c**
4-G-3485. Porcelain knobs for mortise locks. Each.................. **22c**
4-G-3487. Jet knobs for mortise locks. Each.................. **22c**

Every Needed Item in Select Builders' Hardware



High Grade Electro-Plated Polished Wrought Steel Ball Tipped Butts

Tipped Butts. Guaranteed to be the best finished wrought steel butts manufactured. Heavy, highly polished and finely finished. Furnished with screws to match.

4-G-3501. Antique Copper, polished finish.

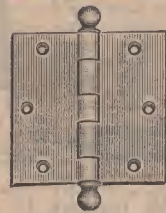
4-G-3503. Lemon Brass Finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5
Per pr.	63c	69c	78c	81c	93c	$1.15	$1.68

4-G-3502. Sand finish, and
4-G-3504. Nickel-Plated finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5
Per pr.	76c	78c	85c	90c	$1.02	$1.25	$1.88

Japanned Loose Pin Ball Tipped Steel



4-G-3577. Made of heavy steel, nicely Japanned. Screws not included.

Inch	2½x2½	3x3	3½x3½
Per pair	23c	25c	29c
Inch	4x4	4½x4½	5x5
Per pair	35c	50c	80c

Electro-Plated Planished Ball Tipped Butts

Electro-Plated, Planished. Made of the same grade steel and generally sold as a polished butt. In every sense equal to the high grade butts, except not as finely finished. Furnished with screws to match.

4-G-3505. Antique Copper finish.
4-G-3507. Lemon Brass finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½
Per pair	30c	33c	35c	36c	45c	65c

4-G-3506. Sand finish, or
4-G-3508. Nickel-Plated finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½
Per pair	37c	38c	40c	45c	55c	80c

Electro-Plated Planished Steel Butts

Heavy wrought steel, fast pin, finely finished, with screws to match.

4-G-3581. Antique Copper finish.

Inch	2½x2½	3x3	3½x3½
Per pair	24c	26c	30c

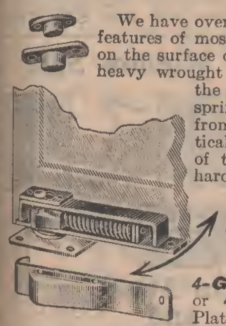
Narrow Fast Pin Wrought Steel Butts

4-G-3579. Plain, without screws. Strong, substantial butts. Made for all general purpose work. Plain finish.

Bright Steel Butts

Inch	1½	2	2½	3
Dozen pairs	48c	70c	80c	$1.15

The Harris Double Acting Ball Bearing Floor Hinge



We have overcome the objectionable features of most floor hinges that rest on the surface of the floor, made from heavy wrought steel; the spring from the best oil tempered spring steel; the floor plate from steel. When in practical use the entire weight of the door is carried on hardened steel ball bearings set in hardened cups.

4-G-3545. Antique Copper or ***4-G-3547*** Lemon Brass.. **$1.10**

4-G-3546. Sand Finish or ***4-G-3548.*** Nickel-Plated Finish..... **$1.35**

Cabinet Hinges

For cabinets, china closets, etc. Wrought steel, beautifully finished, strong and durable. Fast pin. Size 2⅜ by 2 inches. Packed with screws to match.

4-G-3537. Antique Copper finish, and ***4-G-3539.*** Lemon Brass finish....pair **17c**

4-G-3538. Sand finish or ***4-G-3540.*** Nickel-Plated finish...pair **20c**

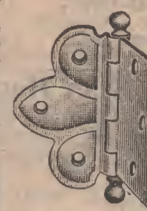
Gravity Hinge

CLARK'S GRAVITY BLIND HINGES

4-G-3441. For frame houses. Throws blind 1¼ inches from casing. Set includes four hinges and two fasteners. Flat head screws are to be used with these sets.

Per set.......... **25c**

Ornamental Electro-Plated Surface Butts



Most artistic and the best appearing butt manufactured. Heavy and strongly made raised design, giving a massive appearance, beautifully finished. Exceedingly popular, economical and time saving.

They are reversible for right or left hand doors. Size 1½ inch is used largely for Cupboards, Cabinets, Closets, etc. All sizes are loose pin with ball tip. Size given is length of joint. Packed with screws to match.

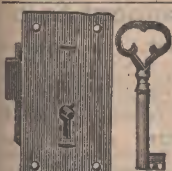
4-G-3533. Antique Copper finish.
4-G-3535. Old or Lemon Brass finish.

Size, inches	2x2½	1½	3	3½	4
Price, per pr.	34c	18c	40c	45c	58c

4-G-3534. Sand finish or ***4-G-3536.*** Nickel-Plated finish.

Inch	1½	2x2½	3	3½	4
Per pair	20c	40c	48c	54c	66c

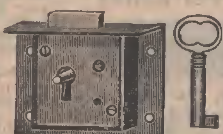
Cabinet and Cupboard Hardware



Cupboard Locks

4-G-3835. Two Secure Levers. For right or left hand door. Wide Bolt. Width 1¾ inches, length 3 inches. With one Fancy Bow Key.

Each.......... **59c**



4-G-3831 DRAWER LOCKS

2¼ in. wide. Has two secure levers for wood ⅞ in. thick. One key.

Each............ **60c**

4-G-3832. Brass Drawer Locks. Same as above.

Each............ **74c**

4-G-3833 SELF-LOCKING CHEST LOCKS

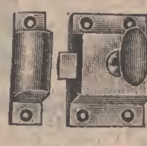
All Iron with Brass Keyhole Escutcheon. Double bitted keys. Width 2½ inches.

Each............ **90c**

Door Latch

4-G-1264. Metal Spring Door Catches for use on Book Cases, Medicine Cabinets, Linen Cabinets and China Cabinet Doors. Furnished with Metal Striking Plate. Finished in Antique Copper or Lemon Brass.

Each.............. **12c**



CUPBOARD TURNS

Electro-Plated, Polished Wrought Steel

4-G-3596. Antique Copper, or ***4-G-3597.*** Lemon Brass.

Each.............. **14c**

4-G-3596½. Nickel-Plated.............. **16c**

4-G-3597½. Sand finish.............. **16c**

Cupboard Catches

Electro-Plated, Polished Wrought Steel with screws to match.

4-G-3591. Antique Copper

4-G-3592. Lemon Brass

Each.......... **13c**

4-G-3591½. Nickel-Plated

4-G-3592½. Sand finish

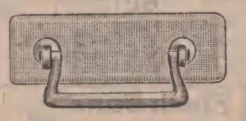
Each.......... **15c**

4-G-1230. Metal Drawer Knobs. Size 1 in. Used on Cabinets, Buffets, China Closets, etc. Furnished in Lemon Brass or Antique Copper.

Price, each..... **14c**

4-G-1235. Crystal Glass Knobs for Medcine Cases, Cabinets, etc. Made of clear glass, beautifully designed. Nickel-plated bolt and nut.

Size		Price
⅞ in.	Each	07c
1¼ in.	Each	11c
1½ in.	Each	13c
1¾ in.	Each	16c

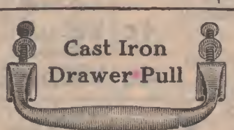


CONCORD DROP HANDLE

A neat and simply designed handle, suitable for buffets, sideboards and china closets. Unusually well made and nicely finished.

4-G-15016. Antique Copper. Price, each............... **30c**

4-G-15017. Lemon Brass. Price, each............... **30c**



Cast Iron Drawer Pull

A very popular drawer pull, owing to the fact that it is applied with machine screws through the wood from the inside, making it stationary. Is suitable for drawers, buffets, bookcases, china cases, etc.

4-G-15018. Antique Copper. Price, each.... **12c**

4-G-15018½. Nickel-Plated Finish................... **16c**

4-G-15019½. Sand Fin. **16c**

4-G-15019. Lemon Brass. Price, each..... **12c**

WROUGHT STEEL DRAWER PULL

Wrought steel electro-plated with screws to match. Length 3⅝ inches.

4-G-3623. Antique Copper, polished finish.

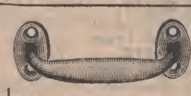
Each............ **4c**

4-G-3623½. Nickel-Plated.... **5c**

4-G-3625. Old or Lemon Brass finish.

Each............ **4c**

4-G-3625½. Sand finish....... **5c**



DRAWER PULL

4-G-3649.

Drawer pulls used on cabinets, buffets and cupboards. Screws to match. Antique Copper or Lemon Brass finish.

Price, each..... **5c**

Per dozen...... **50c**

Cremorne Bolts for French Windows or Large Casement Sash

Cast iron bolt specially adapted for French windows, or large casement sash and is furnished with universal strikes. Unless otherwise specified, will be furnished with rods for sash up to 8 feet high.

This is the only bolt that will hold the sash in place and prevent warping.

4-G-15000. Antique Copper. Price each.......**$7.10**
4-G-15001. Lemon Brass. Price each..........**$7.10**

CAST IRON PLATED

4-G-15002. Antique Copper. Price each.......**$4.75**
4-G-15003. Lemon Brass. Price each...........**$4.75**

Sash Cord

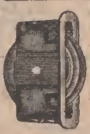
Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 ft.

4-G-3647. No. 8, 8/32 inch diam. Per bundle..................**$1.15**
5-G-3645. No. 7, 7/32 inch diam. Per bundle..................**1.10**

Sash Weights

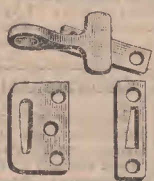
10-G-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds graduate by pounds. Per pound.......................**3½c**

Steel Sash Pulley



10-G-3649. Electrically welded and cannot break. Requires no screws. Simply bore three holes and drive the pulley in. Diameter of wheel, 2 inches. Per dozen.................**75c**

Casement Window Fasteners



Cast iron plated; either right or left hand. Size of plate, 2½x⅝ inch. Has a double strike for single sash opening in or pairs of sash opening out.

4-G-15006. Plate Metal. Lemon Brass finish. Each.................**24c**
4-G-15007. Plate Metal. Antique Copper finish. Each.............**24c**

Spring Sash Balances

4-G-3637. Used instead of sash weights and cord. Easy to apply and do not require box frames. Springs are made of special tempered steel, heavily coppered to prevent rust. Warranted to retain their full strength. Set consists of four balances, two each for top and bottom sash.

Size No.	Weight of each Sash pounds	Hght. of each Sash ins.	Wght. per set of 4 Bal. lbs.	Price per Set of 4 Balances
6	4 to 6	34	6	$2.10
8	6 to 8	34	6	2.30
10	8 to 10	34	7	2.55
12	10 to 12	44	7	2.75
14	12 to 14	44	7½	3.00
16	14 to 16	44	7½	3.20
18	16 to 18	48	9½	3.40
20	18 to 20	48	10	3.55

Reversible Casement Fasteners

Fasteners. Size, 1⅝ x 1⅝ inches. Screws to match.

4-G-3587. Antique Copper. Per set.......**18c**
4-G-3587 ½. N. P..........**22c**
4-G-3588 ½. Sand Finish..**22c**
4-G-3588. Lemon Brass. Per set.......**18c**

Polished Bronze Metal

4-G-3589. Antique Copper. Per set.........**42c**
4-G-3590. Lemon Brass. Per set.........**42c**

Transom Lifters

36c

Used in connection with transoms hinged at top, bottom or pivoted in the middle. By means of this lifter, transoms can be opened or locked at any angle affording ample means of ventilation. Strong and durable.

4-G-3519. Plain Coppered Finish.

Length, feet	3	4	5
Price, each.	36c	40c	45c

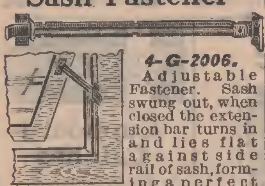
4-G-3521. Electro Bronze Plated.

Length, feet	3	4	5
Price, each.	54c	58c	70c

Sash Hanger

4-G-2005. Storm Sash Hanger. Works like a hinge, one on each corner at top. Simplest contrivance ever devised. Per pair...............**10c**

Sash Fastener



4-G-2006. Adjustable Fastener. Sash swung out, when closed the extension bar turns in and lies flat against side rail of sash, forming a perfect lock, prevents rattling, holds sash tight. Per pair...............**16c**
4-G-2007. Set of Hangers and fasteners.........**22c**

Steel Sash Locks

Electro plated. The strongest and most durable sash lock made. Holds sash closely together, prevents rattling. Screws furnished.

4-G-3601. Antique Copper and Old or Lemon Brass. Each...........**7c**
4-G-3602. N. P..**10c**
4-G-3603 ½. Sand Finish..............**10c**

Transom Catches

Electro plated wrought steel. Bronze metal ring and screws to match. Size, 2¼x1⅜ inch.

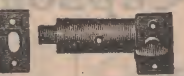
4-G-3553. Antique Copper. Each.........**8c**
4-G-3555. Lemon Brass Finish. Each.....**8c**

Side Sash Locks

Holds as firm as a vise; prevents rattling of windows. Locks sash securely at any desired height. Convenient for perfect ventilation. Screws to match.

4-G-3607. Antique Copper. Each..........**17c**
4-G-3607 ½. N. P....**20c**
4-G-3610. [Sand Fin..**20c**

Mortise Door Bolts



Strong and secure. "T" handle thumb piece. Plates and screws to match.

4-G-3615. Antique Copper. Each.......**20c**
4-G-3617. Lemon Brass. Each.........**20c**

Sash Fasteners

Permits opening of windows at top, bottom or both top and bottom. Electro bronze plated. Screws to match.

4-G-3639. Antique Copper. Each.......**30c**
4-G-3641. Lemon Brass. Each.........**30c**

Barrel Bolts

4-G-3855. Wrought steel, nicely Japanned. Polished steel bolt and brass knob.

Length, bolt, in.			4	5
Each....	7c	8c	10c	11c

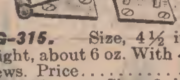
Window Sets

For Attic and Basement Sash

4-G-3619. For sash hinged at side. Set consists of one pair 2½ inch wrought steel butts, one japanned steeled sash fastener. With screws. Per set........**15c**

4-G-3621. For sash hinged at top. Set consists of one pair 2½ inch wrought steel butts, one japanned steeled sash fastener, one hook and eye. With screws. Per set...............**16c**

Steel Hasps



4-G-315. Size, 4½ inches. Weight, about 6 oz. With screws. Price..........**16c**
4-G-316. Size, 6 inches. Weight, about 10 oz. With screws. Price.....**23c**

Flush Sash Lifts

Made of wrought steel bronze plated. Size, 1¼x3¼ inches. Complete with screws.

4-G-3567. Antique Copper. Each.........**4c**
4-G-3569. Lemon Brass. Each..........**4c**

Bar Sash Lifts

Electro plated, wrought steel. Length of handle, 3 inches. Length over all, 4 inches.

4-G-3559. Lemon Brass. Each...........**6c**
4-G-3559 ½. Sand Fin.**10c**
4-G-3557. Antique Copper. Each...........**6c**
4-G-3557 ½. N. P....**10c**

Hook Sash Lifts

Splendid quality, heavy and high grade. Finely finished and made with bevel edges. Size, 1½ inches. Screws to match.

GENUINE WROUGHT BRONZE METAL

4-G-3523. Antique Copper. Polished. Each...................**8c**
4-G-3525. Lemon Brass Finish. Each...................**8c**

ELECTRO BRONZE PLATED WROUGHT STEEL

4-G-3527. Antique Copper. Polished. Each..................**3c**
4-G-3527 ½. N. P....**5c**
4-G-3529. Lemon Brass Finish. Each......**3c**
4-G-3529 ½. Sand Fin. **5c**

Electro Plated Wrought Steel Chain Bolts

Length, 6 inches, with 2 feet of chain. Screws to match.

4-G-3511. Antique Copper..................**57c**
4-G-3513. Lemon Brass..................**57c**

FOOT BOLTS

Electro plated, wrought steel, spring release. Length, 6 inches. Screws to match.

4-G-3515. Antique Copper.........**57c**
4-G-3517. Lemon Brass.............**57c**

Swinging Door Holders

For doors where an attachment is required that may be operated easily with the foot. Spring release. The rubber tipped bolt will not mar or injure carpet.

4-G-3709. Japanned Finish..............**65c**
4-G-3711. Antique Copper.................**90c**
4-G-3713. Lemon Brass..............**90c**

Flush Bolts

Cast iron plated Flush Bolt, 1 inch wide. With screws.

4-G-15010. 6-in. Flush Bolts. Lemon Brass. Each........**37c**
4-G-15011. 6 in. Flush Bolts. Antique Copper. Each........**37c**
4-G-15020. 4 in. Antique Copper.**32c**
4-G-15021. 4 in. Lemon Brass..**32c**

Casement Window Adjuster. Made of plated steel rod, ⅜ inch diameter. This adjuster is for sash opening out and will hold the sash at any angle. Two finishes.

4-G-15004. Antique Copper. Opening out. Price each............**45c**
4-G-15005. Lemon Brass. Opening out. Price each...................**45c**
4-G-15004 ½. Opening in. Antique Copper..............................**65c**
4-G-15005 ½. Opening in. Lemon Brass.............................**65c**

General Hardware at Big Savings

Screen Door Catch

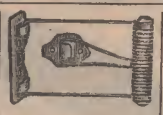
4-G-3675. Vienna bronze finish for doors 7/8 to 1 3/8 inches thick. To be used on doors opening outwards. Furnished complete with stop, knobs and screws.
Per set..... **30c**

Screen Door Sets

4-G-3673. Consists of one pair japanned back spring hinges. One steel door pull, one hook and eye, complete with screws.
Per set..... **20c**

Screen Door Hinges

4-G-3679. Hold back spring hinges, the strongest and best manufactured. Japanned case. Screws not furnished.
Per pair.. **13c**



Warner Screen Door Hinges

4-G-3685. Made of heavy spring steel wire, copper plated.
Each..... **4c**

Electro Plated Door Pull

4-G-3687. Wrought steel, antique copper finish. Strong, durable, and well made. Will give long and continued service. 4 7/8 ins. long.
Each **6c**

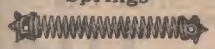
Ornamental Thumb Latches and Handles

4-G-3633. Bronze finish. For doors 7/8 to 1 1/8 inches thick. Complete with screws.
Each..... **19c**

Torrey's Ready Door Spring

4-G-3681. Steel Rod door spring. Furnished with a special wrench with each set for adjusting tension. Length, 39 inches.
Each..... **25c**

Spiral Door Springs



4-G-3683. Made from special grade highly tempered steel wire, fastened securely to the bracket and spring holder. Adjustable tension. Length, 10 inches.
Price, each..... **18c**

Stop Screw and Washer

4-G-3657. Wrought steel washer. Antique copper finish screw to match.
Price, per doz.., **15c**

4-G-3659. Lemon brass finish. Per dozen.... 15c

Metal Base Knobs

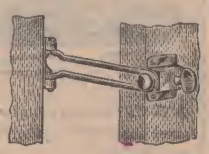
Bronze plated. Extra long heavy screws. Heavy rubber tip. Length, 2 5/8 inches.
4-G-3573. Antique Copper.
Each..... **8c**
4-G-3574. Lemon Brass.
Each..... **8c**

Hardwood Base Knobs

Rubber tipped. Well pointed screws. Nicely finished.
4-G-3572. Each.. 3c

4-G-1645. Cast Floor Door Stops, used to protect furniture or prevent door from striking radiator or wall. Antique Copper, Lemon Brass or Nickel plated finishes. Each... **10c**

Safety Door Catch



4-G-1363. Safety Door Catch. Made of wrought steel, finished in Lemon Brass or Antique Copper. Complete with screws, each..... **60c**

Door Buttons

4-G-3655 Japanned finish.
Length, 1 1/2 inches.
Per dozen..... **8c**
Length, 2 inches.
Per dozen..... **10c**
4-G-3656 Aluminum 1 3/4 inches. **14c** Doz. No screws.

Cupboard Catches

4-G-3609. Iron Japanned finish. Screws are not furnished.
Each..... **4c**

Shelf Supports

Copper plated iron with 1/4 in. pins. Wt., about 4 ounces.
4-G-3650. Price, per dozen..... **10c**

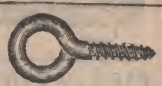
Felt Weather Strips

4-G-3719
Made of durable black wool felt, 1/2 in. width for windows, 5/8 in. width for sides and top of door, 3/4 in. for bottom of door. Put up 50 ft. to a package.

Inches	1/2	5/8	3/4
Per foot	3 1/2c	4c	4 1/2c
Per package	$1.44	$1.68	$1.92

Bright Braided Picture Wire

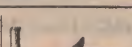
4-G-3839. Heavily Tinned. Coils guaranteed to contain full 75 feet.
Per coil..... **7c**



Bright Wire Screw Eyes

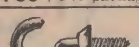
4-G-3850. Gimlet Pointed Screws. Perfectly formed eyes.

Size No.	Length Inches	Per Dozen
105	2	9c
108	1 3/4	7c
110	1 1/2	5c
112	1 1/4	4c
114	1	3c
214	3/4	3c



Cap Hook

4-G-3854.

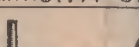


Screw Hook

4-G-3853.

Polished Brass, Full Size. Either kind same price.

Size, In.	Per Doz.
1/2	7c
5/8	8c
3/4	9c
7/8	10c
1	11c



4-G-3851. **4-G-3852.**
Bright Wire Screw Hooks
Full size, perfectly pointed. In ordering:

Length Inch	Straight Pattern Dozen	Bent Pattern Dozen
1 1/4	4c	4c
1 1/2	5c	5c
2	6c	6c
2 1/4	7c	7c
3	13c	9c
3 1/2	17c	14c

Rubber Strips

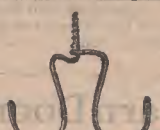
4-G-3717. Seals cracks around windows and doors; made of the best grade rubber, one-half inch wide for windows, three-fourths inch wide for tops and sides of doors, one inch wide for bottom of doors. Put up in packages containing fifty feet.

Inches..	1/2	3/4	1
Per ft...	3 1/2c	4c	5 1/2c
Per pkg.	$1.45	$1.90	$2.40

Coat, Hat and Umbrella Hook

4-G-3665. Double pattern. Height, 9 inches. Projects from wall 4 1/2 inches. Spread 10 inches.
Each..... **55c**

4-G-3671. Heavy iron hooks. Suitable for schools and public coat rooms. Japanned finish. Strong and durable. Length, 3 inches.
Per dozen..... **60c**



Closet and Wardrobe Hooks

4-G-3669. Made from heavy copper plated plain steel wire. Will not rust. Gimlet pointed screws. Length, 3 inches.
Per dozen..... **15c**

Coat and Hat Hooks

4-G-3667. Made of copper plated spring steel wire. Gimlet pointed screws. Length, 3 inches
Per dozen..... **2c**

Coat, Hat and Umbrella Hook

4-G-3663.

Electropolished antique copper finish. Screws to match. 7 ins. high, from wall, 4 inches.
Each..... **30c**

Box or Truck Casters

4-G-3801. Heavy iron stationary box or truck casters. Strong and substantial. Price does not include screws.
3-inch Wheel. Each..... **36c**
4-inch Wheel. Each..... **45c**

Roller Bearing Truck Casters

4-G-3805. For Trucks, Boxes, Chests or any other purpose where a strong, heavy caster is required.

Size of Wheel	Size of Plate	Per Set of Four	Size of Wheel	Size of Plate	Per Set of Four
1 1/2	1 1/4x2	$0.48	2 1/2	2 1/2x3 1/2	$1.00
1 5/8	1 1/4x2	.60	2 1/2	3 x4 1/2	1.32
1 3/4	1 1/8x2 3/4	.75	3 1/2	3 3/4x4 1/2	1.98

Stove or Furniture Casters

Heavy stoves easily moved around the house with these Casters. Heavy enough for other furniture. Can be attached to a box or platform.
4-G-3829. Price, per set of 4..... **$1.70**

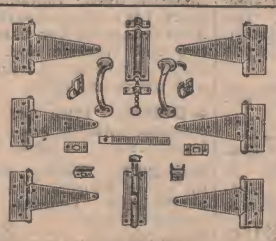
Philadelphia Pattern Furniture Casters

4-G-3828. Furniture Casters, Philadelphia Pattern. 5/8-inch bronzed iron wheels. Strong and durable.
Per set of 4..... **7c**

Swivel Iron Box or Truck Casters

4-G-3803

3-inch Wheel. Each..... **38c**
4-inch Wheel. Each..... **50c**



Garage Door Set

4-G-1605. Garage Set for double swinging door. Three pair of extra heavy 10 in. "T" hinges, one chain bolt, one foot bolt and two thumb latches, furnished complete with screws. Finished in Black Japan.
Set, Complete.... **$3.75**

Anti-Friction Roller Bearing Casters

Revolves upon a Series of Steel Rollers or Discs. Saves wear and tear on carpets; does not mar the floors.

	Size of Wheel, Inches	Set of Four
4-G-3811	1 1/16	$0.48
4-G-3812	1 1/4	.60
4-G-3813	1 1/2	.77
4-G-3814	1 7/8	1.05

4-G-3925. Heavy polished Wire Hooks and Eyes.

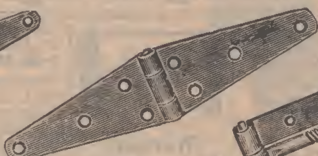
Inches	2	3	4
Length..	2	3	4
Each....	2c	2c	2½c
Dozen..	11c	15c	24 c

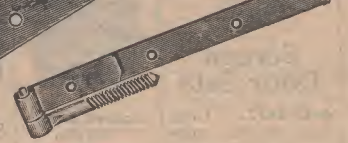
4-G-3923. Wrought Hooks and Staples.

Inches		
Length	4	6
Price, per doz.	40c	78c
Price, each....	4c	7c

Hinges Wrought Steel, Standard Size, Strictly First Quality

Size given is measurement from joint to end of hinge. Without screws.





4-G-3929. Light wrought Steel strap Hinges. Size given is length from joint to end of hinge.

Size, inches.....	3	4	5	6
Takes Screw No..	6	7	8	9
Price, per pair..	9c	12c	13c	18c

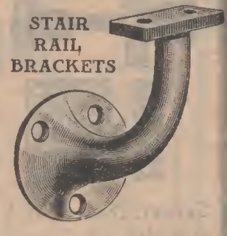
4-G-3931. Heavy wrought Steel Strap Hinges. Size given is length from joint to end of hinge.

Size, inches.	6	8	10	12	14
Screw No...	10	12	12	14	16
Price, pair..	20c	35c	54c	81c	$1.06

4-G-3933. Wrought steel Screw Strap Hinges. Each pair requires two ⅜-inch and four ⁵⁄₁₆-inch bolts to put them on. Bolts are not included at prices quoted.

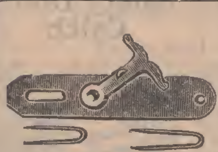
Size, inches........	10	12	14
Price, per pair.....	33c	39c	48c

STAIR RAIL BRACKETS



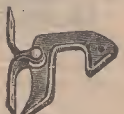
Projects two inches from wall to center of rail. These brackets are used to support hand railing.

4-G-15022. Copper bronze finish. Each........... **12c**



4-G-3913. Heavy wrought steel hasp with double hook and staples.

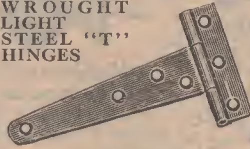
Length, inches....	6	8	10
Price, each.......	4c	5c	7c



YANKEE DOOR CATCH

4-G-3915. For holding open swinging doors. Made of cast iron, japanned. Each............. **9c**

WROUGHT LIGHT STEEL "T" HINGES

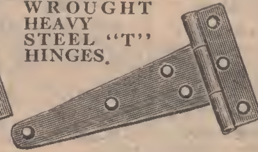


4-G-3927.

Size, inches......	3	4
Price, per pair....	9c	11c

Size, inches....	5	6	8
Price, per pair..	14c	16c	22c

WROUGHT HEAVY STEEL "T" HINGES.

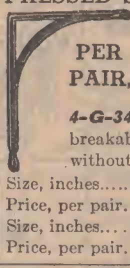


4-G-3909. Size.... 6 8
Pair..... 18c 22c

Extra Heavy "T" Hinges.
4-G-3910

6 ins.	8 ins.	10 ins.	12 ins.
25c Pr.	42c Pr.	60c Pr.	87c Pr.

PRESSED STEEL BRACKET

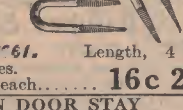


PER PAIR, 10c

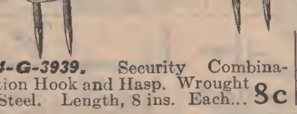
4-G-3451. Strong and unbreakable, Japanned finished without screws.

Size, inches.......	4x5	6x8	7x9
Price, per pair...	10c	21c	25c
Size, inches......	8x10	10x12	12x14
Price, per pair...	28c	40c	65c

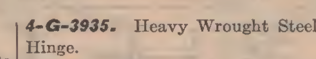
TINNED SAFETY GATE HOOKS AND STAPLES



4-G-3761. Length, 4 and 6 inches.
Price, each....... **16c 22c**



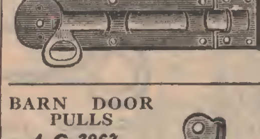
4-G-3939. Security Combination Hook and Hasp. Wrought Steel. Length, 8 ins. Each... **8c**



4-G-3935. Heavy Wrought Steel Hinge.

Length, inches...	3	6	8	10
Each...........	7c	12c	12c	22c

BARN DOOR BOLT



4-G-3907. Heavy pattern, suitable for stable and out-houses. Length, 8 ins. Price, each... **30c**

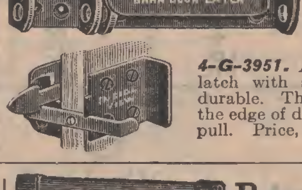
BARN DOOR PULLS

4-G-3963. Extra heavy cast iron. Each....... **7c**

BARN DOOR STAY ROLLERS

Reversible and Adjustable

4-G-3911. Reversible for inside and outside doors. Adjustable for any thickness of door. Diameter of wheel, 2 ins. Price, each.............. **15c**

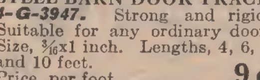


Barn Door Latch

4-G-3951. Automatic sliding or swinging door latch with attachment for lock. Strong and durable. The latch can be thrown back, leaving the edge of door clear; has inside latch and pull. Price, each...................... **40c**

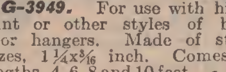
STEEL CENTER BRACKET

4-G-3905. Steel Center Brackets for track 4-G-3903. Japanned finish complete with lag screw for attaching. Price, each....... **18c**



STEEL BARN DOOR TRACK

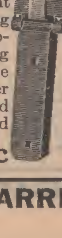
4-G-3947. Strong and rigid. Suitable for any ordinary door. Size, ³⁄₁₆x1 inch. Lengths, 4, 6, 8 and 10 feet. Price, per foot............. **9c**



EXTRA HEAVY TRACK

4-G-3949. For use with hinge joint or other styles of barn door hangers. Made of steel. Sizes, 1¼x³⁄₁₆ inch. Comes in lengths, 4, 6, 8 and 10 feet. Price, per foot........... **11c**

HINGE JOINT BARN DOOR HANGERS



4-G-3921. Hinge joint makes it possible to swing the door in or out. Provided with a guard, making it impossible to jump the track. Has chilled roller bearings. Wheel, axles and bearings are fully protected from the weather. Price, per pair...... **90c**

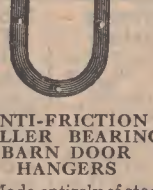
Barn Door Hangers

LOOSE AXLE ANTI-FRICTION HANGERS

Guaranteed not to bind or jump the track. Wheels are mounted on hardened steel axles. Our prices do not include bolts.

4-G-3941. For doors 6 foot run. Diameter of wheel, 3 inches. Requires ⁵⁄₁₆-inch bolts. Per pair...... **$1.10**

4-G-3943. For doors 8-foot run. Diameter of wheel, 4 inches. Requires ⁵⁄₁₆ inch bolts. Per pair...... **$1.35**



ANTI-FRICTION ROLLER BEARING BARN DOOR HANGERS

Made entirely of steel except the wheel. The axle is of hardened steel. Prices do not include bolts.

4-G-3917. Size of wheel, 3½ inches. For small and medium size doors. Per pair....... **75c**

4-G-3919. Size of wheel, 4 inches. Suitable for the largest size doors. Per pair........ **90c**

ROLLER BEARING TROLLEY HANGERS

Wheels run inside of hollow steel track. Can not bind or jump the track. Suitable for doors, 1½ to 2¼ inches thick. A set consists of two hangers two end brackets and one center bracket. Complete with screws and bolts.

4-G-3901. Price per set, complete without track........... **$1.80**

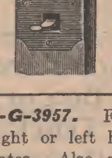
4-G-3903. Trolley track for above hangers, brackets not included. Lengths, 4, 5, 6, 8 and 10 feet. Price, per foot....... **22c**

GATE HINGE

4-G-3953.

Will swing both ways. Does not require spring or weight. Wrought upper hinge, cast lower hinge. Japanned finish. Per set................ **60c**

GRAVITY GATE LATCH



4-G-3959. Overcomes shrinking and sagging of gate posts. Made of steel and malleable iron. Easily applied. Price, each **18c**

4-G-3957. For right or left hand gates. Also gates that swing both ways. Adjustable to meet any sag in the gate. Each........ **20c**

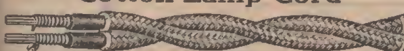
ELECTRIC WIRING MATERIAL

New Code Rubber Covered Copper Wire, Single Braid

Used for open wiring on cleats, tubes or knobs and for holding and loom wirings. Each solid strand conductor copper wire insulated with rubber compound around which is single saturated cotton braid. Unbroken coils of 500 feet bear underwriter's inspection tag. Weights per 100 feet, about 3½ to 19 lbs., according to size.

Article Number	Size		100 Feet
4-G-3010	14	....	**$1.20**
4-G-3011	12	....	**1.75**
4-G-3012	10	....	**2.25**
4-G-3013	8	....	**3.00**
4-G-3014	6	....	**4.90**
4-G-3015	4	....	**7.15**

New Code Twisted Pair Cotton Lamp Cord



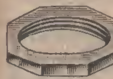
Twisted New Code Lamp cord consisting of 2 fine copper conductor strands twisted together. It is covered with fine quality yellow and green interwoven cotton. Made to be used for drop lights, extensions and general small work. Shipping weights per 100 feet, about 6½ to 13 lbs., according to size.

Article Number	Size		100 Feet
4-G-3023	18	....	**$2.10**
4-G-3024	16	....	**2.85**
4-G-3025	14	....	**4.20**

Weather Proof Copper Wire

Made for outside work, being constructed to stand weather and severe use. Conductor rubber covered wire. Consists of a solid copper wire conductor covered with three layers of waterproof saturated cotton braid insulating material. Shipping weights per 100 feet about 3 to 17 lbs., according to size.

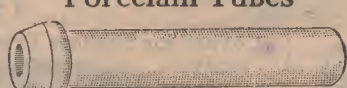
Article Number	Size		100 Feet
4-G-3030	14	....	**$1.20**
4-G-3031	12	....	**1.45**
4-G-3032	10	....	**1.95**
4-G-3033	8	....	**2.70**
4-G-3034	6	....	**3.80**
4-G-3035	4	....	**5.00**



Conduit Locknuts

Article Number	Size	Ship. Wt.		Per 100
4-G-3042	½ in.	½ oz.	....	**$0.78**
4-G-3043	¾ in.	¾ oz.	....	**1.12**
4-G-3044	1 in.	1 oz.	....	**2.10**

Porcelain Tubes



Used where wire is drawn through partition or joists. Made of porcelain. Takes single braid rubber covered or waterproof wire. Inside diameter, $\frac{5}{16}$ inch. Will take 14, 12 or 10 wire. Inside diameter, ⅜ inch, will take 8, 6 or 4 wire. Length below is measurement from underhead to end.

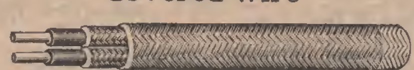
Article Number	Lgth.	Inside Diam.	Per 100		Per 100
4-G-3050	3 in.	$\frac{5}{16}$ in.	7½ lbs.	....	**$0.80**
4-G-3051	4 in.	$\frac{5}{16}$ in.	9 lbs.	....	**.90**
4-G-3052	6 in.	$\frac{5}{16}$ in.	13 lbs.	....	**1.40**
4-G-3053	8 in.	$\frac{5}{16}$ in.	15½ lbs.	....	**2.70**
4-G-3054	3 in.	⅜ in.	11 lbs.	....	**1.00**
4-G-3055	4 in.	⅜ in.	13½ lbs.	....	**1.20**
4-G-3056	6 in.	⅜ in.	19½ lbs.	....	**1.70**

New Code Parallel Silk Lamp Cord

Insulated lamp cord consisting of two parallel conductors covered with braided silk. Used for portable lamps and extension lights in homes. Large size only, No. 18. Shipping weight, per 100 feet, 5 lbs.

4-G-3020 Per foot.................... **5c**
Per 100 feet.................. **$4.50**

New Code Duplex Rubber Covered Wire



Used for wiring in metallic conduit. Consists of 2 solid conductors individually insulated with rubber compound over which is placed one layer of saturated cotton braid. Shipping weights per 100 feet, 6¼ to 13 lbs., according to size.

4-G-3026 Size 14.
Price per 100 feet.................... **$2.90**

4-G-3027 Size 12.
Price per 100 feet.................... **3.90**

4-G-3028 Size 10.
Price per 100 feet.................... **5.00**

(BX) Flexible Armored Cable

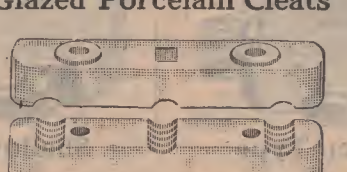
A decided improvement over knob and tube wiring. Consists of 2 or 3 solid copper conductors, rubber insulated, with 2 coverings of cotton braid, around which is placed armored flexible steel jacket. Approved by fire underwriters in all localities for use in finished buildings. More easily and quickly installed than iron conduit. Also used for electrical driven machinery where cables are exposed. Shipping weight per 100 feet, 44 to 60 lbs., according to size.

Article Number	No. of Conduits	Gauge B. & S.	Per Foot	100 Feet
4-G-3036	2	14	**8c**	**$ 7.00**
4-G-3037	2	12	**12c**	**11.00**
4-G-3038	3	14	**12c**	**11.00**

Conduit Bushings

Article Number	Size	Ship. Wt.		Per 100
4-G-3044	½ in.	1 oz.	....	**$1.80**
4-G-3045	¾ in.	1½ oz.	....	**2.70**
4-G-3046	1 in.	2 oz.	....	**4.90**

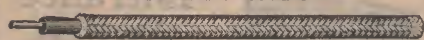
Glazed Porcelain Cleats



To be used with either 14, 12 or 10 wire. 2 wire cleats have 2½-inch wire centers; 3 wire cleats have 1¼-inch wire centers. Weight per dozen, about 3 lbs.

4-G-3057 Two wire. Per 100....... **$2.75**
4-G-3058 Three wire. Per 100....... **2.85**

New Code Electric Fixture Wire



Designed for wiring electric fixtures, lamps, brackets, chandeliers and short wiring circuits. Single solid copper conductor insulated with rubber compound over which is saturated cotton braid. Shipping weights per 100 feet as follows: No. 18, 3¼ lbs.; No. 16, 4½ lbs.

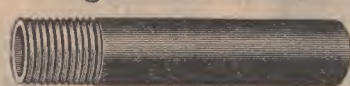
Article Number	Size		100 Feet
4-G-3021	18	....	**75c**
4-G-3022	16	....	**93c**

New Code Reinforced Portable Lamp Cord

Used for portable extension lights, lamps and electrically operated household equipment. Made to stand continuous hard wear. Made up of twisted lamp cord, over which is placed rubber compound and outside braid of mercerized cotton.

Article Number	Size		100 Feet
4-G-3029	18	....	**$3.60**

Rigid Iron Conduit



Designed to give greatest safety. Initial cost is more than knob and tube wiring, but is recommended if you want highest grade everlasting work. Specified for bringing wires to house from main line regardless of interior wiring. New, clean stock coated with black enamel. Resists weather, acid and alkali. Constructed for easy bending without injury to flexible enamel. 10 feet lengths only, threaded two ends with coupling on one end.

Article Number	Size	Ship. Wt. per 100 Ft.	Price Per 10 Foot Length
4-G-3039	½ in.	80	**$0.90**
4-G-3040	¾ in	100	**1.20**
4-G-3041	1 in.	150	**2.10**

Conduit Straps

Article Number	For Pipe	Ship. Wt.		Per 100
4-G-3047	½ in.	½ oz..	....	**40c**
4-G-3048	¾ in.	¾ oz.	....	**60c**
4-G-3049	1 in.	1 oz.	....	**70c**

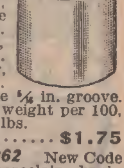
Assembled Split Knobs

4-G-3060

Latest improved and assembled split knob consists of complete new code knob with nail ready to fasten in position. Simply insert wire and drive into place. Big time saver. Diameter, 1⅛ inch; takes 10, 12 or 14 wire. Shipping wt., per 100, 10 lbs.

Per 100........ **$2.50**

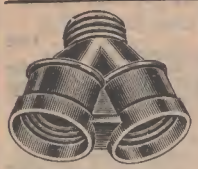
Round Porcelain Knobs



4-G-3061 Solid porcelain knob, New Code No. 5½. Height, 1$\frac{9}{16}$ in. Diameter, 1⅛ in. ¼ in. hole $\frac{5}{16}$ in. groove. Shipping weight per 100, about 12 lbs.
Per 100........ **$1.75**

4-G-3062 New Code No. 4 porcelain knob. Height 1$\frac{1}{16}$ in. Diameter, 1½ in. Hole and groove, ⅛ in. Weight per 100, 20 lbs.
Per 100........ **$2.50**

Priced Very Low for Big Economy



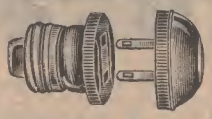
Twin Light Plug 75c

4-G-4055. Made in one piece of special material which is not affected by moisture or heat and will not break if accidentally dropped. A small compact neat plug made to fit all Edison base sockets or receptacles. Price, each.... **75c**

Plug Caps 13c

4-G-4056. Made of hard insulated composition with knife braided contact points to fit all standard receptacles and plugs. 10 amperes, 250 volts. Wires easily attached. Hole large enough to take in average electric fixture wire.
Price, each..... **13c**

Separable Attachment Plug

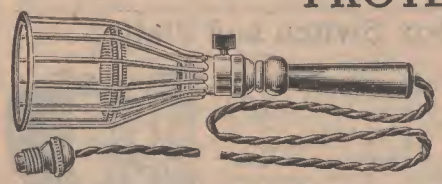


4-G-4057. Made with hard composition insulated cap and fitted with base knife braided contacts. Edison screw base. Will fit any standard receptacle and plug. Will carry 660 watts and 250 volts. Price, each..... **15c**

Insulating Tape and Splicing Compound

Used on all electric jobs for covering wires where insulation has been removed, for wrapping splices. All soldered ends should be wrapped with a rubber tape and covered with connector tape.
4-G-4058. Black fixture tape, ¾ inch wide. ½ lb. package. **30c**
4-G-4059. Rubber Splicing tape, ¾ inch wide. ½ lb. package. **35c**

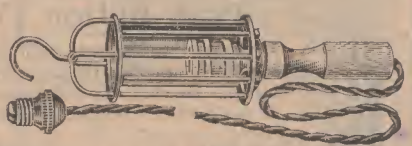
PROTECTED EXTENSION LIGHTS



$2.30

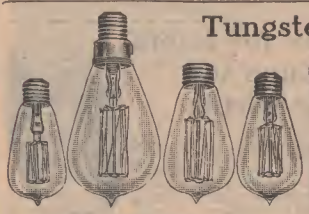
4-G-4060. A carefully assembled extension light for use about the home and other buildings. Made with strong, protecting guard and wooden handle. Key socket, 110 volt, 16 candle power cord lamp. 25 feet of extension cable and plug for attaching to any standard screw socket. Lamp not included. Weight, 2 lbs.
Each..... **$2.30**

$3.35



4-G-4061. Improved extension light with strong guard protector and reflecting shade to centralize the light where you want it. Made with 20 feet of cable. Lamp not included.
Weight, 6 lbs. Each..... **$3.35**

Tungsten Lamps



These lamps consume one-third the current used by ordinary carbon lamps of equal power. On account of Tungsten Metal being very easily broken by rough handling, we cannot guarantee safe delivery or replace Tungsten lamps shipped by mail.

100 to 130 Volts.

Clear Glass Tungsten Lamps

4-G-8005. 60-Watt. Each..... **35c**
4-G-8006. 100-Watt, Each..... **90c**
4-G-8003. 40-Watt. Each..... **30c**
4-G-8004. 25-Watt. Each..... **30c**

High or Low Electric Light Regulator

20 Light Changes—Dim to Bright

This perfected electric light regulator works equally well upon either direct or alternating current. It gives you exactly the strength of light you wish at all times—twenty changes of light—dim or bright—easily regulated by pulling either the dark or light chain. Made with a highly finished brass shell with socket construction to attach to a shade holder.

Just the thing for hospitals, sick rooms, nurseries, bat brooms, hallways bedrooms or where a low light is necessary.

Any ordinary electric globe can be used provided it is not more than 40 watts capacity. Furnished for 110, 30 or 32 volt. Specify voltage when ordering.

4-G-8904. Electric light regulator, complete without electric lamp. Each..... **$1.10**

You simply pull the light or dark chain to subdue or brighten the light

Skeleton Bells

Used for fire and burglar alarms, or for other purposes that require a strong, loud ringing bell, such as mills, shops, and factories. The contact points are platinum, thus insuring a uniform penetrating sound.

4-G-10503. 4-in. Gong. Each..... **$4.95**
4-G-10505. 5-in. Gong. Each..... **$5.85**
4-G-10507. 6-in. Gong, Each..... **$6.65**
4-G-10509. 8-in. Gong, Each..... **$10.75**
4-G-10511. 10-in. Gong. Each..... **$15.95**

Iron Box Bells

Used for door and call bells. Box is made of stamped sheet steel, nickel plated cast gong. German silver contacts. Can be operated and rings clearly with one cell of battery at a distance of 150 feet.
4-G-10501. 3-in. iron box bell..... **65c**
4-inch iron box bell. Used where a louder tone is required..... **75c**

Iron Box Buzzer

Used in place of bells for call purposes. Makes a loud buzzing sound.

We advise the use of a buzzer for the back door, as it is easy to distinguish the sound of buzzer from the bell which can be used for front door.

4-G-10513. Iron box buzzer, Japanned finish..... **70c**

Bell Transformer

4-G-20055. This transformer connects to house - lighting circuit. Reduces current, low voltage, for operating door bells, buzzers, annunciators, etc., doing away with dry cells.
Stock transformers will operate on 100 to 130 volts, 60 to 133 cycle.
"Junior" Bell Ringer, 2⅜x2x6 inches, weight, 2½ pounds..... **$1.25**

Columbia Dry Batteries

Designed especially for ignition work. Low internal resistance intended for the severest work under which an open circuit dry battery will qualify. Suitable for automobiles, motor boats, gasoline engines, small incandescent lights, small motors. Will test from 25 to 30 amperes. Weight, 2 lbs.
4-G-10521. Size, 2½x6 inches. Each. **50c**

Push Buttons

Wood

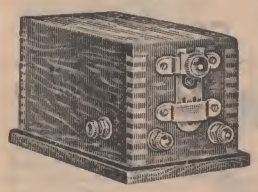
4-G-10527. Wood push buttons. Oak, ash, cherry or walnut. German silver springs, porcelain button..... **14c**

Metal

4-G-10529. Solid cap stamped brass buttons..... **15c**

Jump Spark Coils

For Stationary and Marine Engines



4-G-20050. Designed to answer the most rigid requirements of marine and stationary gas engines, regardless of horse power.

A hot, flaming arc is produced under compression with minimum current consumption, increasing the life of the batteries.

Coils are equipped with a vibrator. It is impossible to adjust the vibrator to consume an excessive amount of current. Arcing at contact points is practically eliminated. Large points are used, made of the very best grade of tungsten.

Assembled in a dovetailed, highly polished seasoned oak case.

Single cylinder..... **$2.80** Double Cylinder..... **$5.25**

Make and Break Spark Coils

Moisture Proof

For stationary and marine make and break engines.

4-G-20051. Coils are assembled in a substantial black enameled steel case, 2¼ inches square by 6 inches high, occupying the same space in the battery box as an ordinary dry cell. They are very economical on battery power and generate at all times a hot, intense spark.

These coils are immersed in a special insulating compound, rendering them absolutely impervious to moisture.

Any of our coils can be furnished with a single or double throw switch. A combined coil and switch is a very late improvement in Ignition Equipment. It simplifies the wiring circuit and eliminates the expense of one primary wire, battery switch and the mounting of same on the battery box.

No. 10. Make and break Coil without switch..... **$0.95**
No. 10. Make and break Coil with single throw switch..... **1.10**
No. 10. Make and break Coil with double throw switch..... **1.20**

HARRIS HOMES BEAUTIFUL

Liberal Terms

No Cash in Advance

We do not ask you to pay us cash in advance in any instance.

In all fairness you cannot, however, expect us to ship you, perhaps a stranger, a valuable carload of material without some evidence of good faith on your part. We have, therefore, printed our terms of shipment in plain, easily understood language, giving you four different methods by which you can order.

Whether or not you send cash with your order, you are protected in every way by our guarantee. The advantages of sending cash in full with order are the earning of the cash discount and the saving of delays and annoyances in getting possession of the material at your end of the line. **Our cash discount** is allowed **only** when full remittance is sent when you order. The printed prices of Harris Homes are free on board cars Chicago. Freight paid prices quickly quoted by return mail. Take your choice of the following terms, mentioning the number when you order.

Terms A **No cash with order.** We will ship you material without any cash payment whatever. Payment must, however, be covered by special terms guarantee blank (blank sent on application) which gives you 5 days time to inspect and unload before paying.

Terms B **Ten to 25 per cent cash with order** (depending upon distance to be shipped and amount), balance to be paid straight C. O. D.

Terms C **Two per cent special discount.** A special discount of 2 per cent will be allowed only when full remittance is sent with order.

Terms D **Pay through Loan.** If you are making a loan to cover the cost of construction, send in your order together with a deposit of one hundred dollars ($100.00) and a letter from the Building and Loan Association or Bank that is making the loan, advising us that we will be paid out of the proceeds of same, as building progresses, and we will ship materials at once.

Certificate of Unconditional Guarantee

We Guarantee absolutely and without reserve, that we will furnish for each and every order for any design shown in this book, at the price quoted, sufficient material to build same in a good substantial and workmanlike manner, strictly according to the Blue Print Plans: Specifications and Material List furnished.

We Guarantee and agree that in the event of there not being sufficient material, to reimburse our customer for any purchase he may make on account of shortage or error—we to be notified of such shortage or error, however, and to have the right first to furnish the missing material ourselves, or authorize our customer to purchase it at our expense.

We Guarantee to furnish with each order for any of our designs, full directions in the form of an itemized list of material, showing just exactly the number of pieces, feet, size, grade, style, finish, etc., of the material furnished, designating the purpose for and the place in which it is to be used.

We Guarantee to furnish with each shipment an itemized invoice, showing just what is in the shipment, so that our customer may check the material received against our invoice. If anything is short, notify us at once. After this has been done and the amount received is found not sufficient to complete the job, then, if the error is ours, we still hold ourselves responsible.

A. Harris

FREE Architectural Service

for Harris Home Buyers!

With Every Harris Home Beautiful ordered we furnish complete ready cut blue print plans and erection instructions absolutely free of charge. Architect's charge for this service is usually 10% of total cost.

General Specifications of the Material We Furnish for Harris Homes Beautiful

While the specifications below are our standard, there is no hard and fast rule why you cannot add, omit or change material wherever your own ideas make it preferable to do so. All our Harris Homes, however, are designed to be built along the standard of these excellent specifications.

TO ENABLE you to realize the wonderful completeness of our Harris Homes, we furnish for your convenience, the following brief general specifications of the material furnished. However, *with* each set of Plans of the Harris Home you select, a descriptive material list, showing exactly every item that enters into the construction of your home is furnished.

In every paragraph of the following specification you will note that great care has been taken in planning for strength and long life in the construction of your home.

You get this information *before you buy;* so there is no possible chance for you to be deceived. You can check up to the very last nail what goes into your house, as our catalog numbers are given on the material list, and there is nothing left to *imagination or guess work.* This method is far superior and safer for you than a lengthy book specification without proper material catalog to check up with.

1 *Ready-Cut Framing Material* All Framing Material is furnished "Cut-to-Fit" or "Ready-Cut," which means the same guaranteed in correct sizes and dimensions, in accordance with accepted standards of first-class building construction throughout, as follows: The pieces are framed, notched or beveled to the correct sizes, ready to be nailed in place without any cutting by the carpenter; every piece marked; construction standardized by spacing all members, such as Studs, Joists, Rafters, 16 inches from center to center, and therefore always 14⅜ inches apart. This is most important—satisfy yourself what others have to offer before buying. Cut-to-fit Girders furnished ready to nail together.

2 *Ready-Cut First Floor Joists* We furnish correct size required for your building, either 2x10 or 2x8 or 2x6 No. 1 grade Yellow Pine, surfaced and edged. Spaced 16 inches on centers.

3 *Ready-Cut Box Sills for First and Second Floor* To correspond with size or Floor Joists, No. 1 grade Yellow Pine, surfaced and edged.

4 *Ready-Cut Second Floor Joists* Of correct size required either 2x10 or 2x8 or 2x6 No. 1 grade Yellow Pine, surfaced and edged. Spaced 16 inches on centers.

5 *Ready-Cut Attic Floor Joists* 2x6, 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged.

6 *Ready-Cut Ceiling Joists* 2x4 or 2x6, as may be required, 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged.

7 *Ready-Cut Porch Floor Joists* 2x6 or 2x8, depending upon size of porch, spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged.

8 *Ready-Cut Porch Beam* 2x6, 2x8, 2x10 or 2x12, doubled, tripled, or trussed as may be required, No. 1 grade Yellow Pine, surfaced and edged.

9 *Ready-Cut Porch Rafters* 2x4 or 2x6, as may be required, spaced 16 inches on centers. No. 1 grade Yellow Pine, surfaced and edged. Jacks and Hips marked and bundled in pairs.

10 *Ready-Cut Porch Bulkhead Studs* 2x4 spaced 16 inches on centers, in No. 1 grade Yellow Pine.

11 *Ready-Cut Outside and Inside Studs* 2x4 spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged (standardized); no time wasted to find a certain piece or certain number. All Inside and Outside Studs are of the same length, as are, also the "Cripples" above or below the window and door openings. See details in illustration, shown on preceding pages. This applies to double stud outside wall construction, as shown in illustration.

12 *Ready-Cut Roof Rafters* 2x4 or 2x6, spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged. All notches, bevels and plumb cuts, are accurately cut-to-fit by us. **Jack, Hip and Valley rafters come to you bundled in pairs.**

General Specifications—*Continued*

13 *Ready-Cut Headers, Cripples and Door and Window Studs* For window and door openings, inside and outside walls and partitions; furnished of correct size and dimension to match balance of construction in No. 1 grade Yellow Pine, surfaced and edged stock. *Headers doubled above and below* openings with studs to double up at side of openings. This insures extra strength and solid nailing for outside and inside door and window trim; prevents sagging and bulging of framing. **Each opening set bundled and size plainly marked, instead of 11 pieces to hunt for you have just 1 handy bundle.**

14 *Ready-Cut Stair Headers and Trimmers* For Stair Openings, furnished in dimension stock to match size of joists, No. 1 grade Yellow Pine. Doubled at all openings to insure extra strength.

15 *Ready-Cut Stair Landing Joists and Headers* Bundled and marked and of No. 1 grade Yellow Pine, surfaced and edged.

16 *Ready-Cut Stair Horses* 2x10 or 2x12, No. 1 grade Yellow Pine, as may be required, furnished for Cellar, Grade, Main Stairs, Attic Stairs, Front and Rear Steps with rise and run accurately cut.

17 *Ready-Cut Double Cross Bridging* In No. 1 grade Yellow Pine, one row double cross bridging every eight feet.

The following items are not furnished "Cut-to-Fit," for reasons that a better job and at a saving, not only in first cost, but also in labor, can be made by doing the little cutting that is necessary right on the premises:

18 *Wall Plates, Girder Posts, Partitions and Outside Wall Plates* These items require little or no cutting and demand such an accurate fit, in order to make a correct job, that it is better and more economical to fit them on the premises. Wall plate or bond timber 2x6 insure even surface for joist. Girder 6x8. Floor plates 2x4 single. Inside partition and outside stud top plates always double and of course furnished in No. 1 Yellow Pine.

19 *Sub-Flooring, First and Second Floors* Square edge and sound inch Yellow Pine Lumber, surfaced to standard size and even thickness, furnished for both **first and second floor,** to be laid diagonally or square. An item like this can be cut and fitted on the job in less time than to hunt a marked piece and locate the place to put it, and you do not pay for labor twice.

20 *Roof Boards* Inch lumber, square edge and sound surfaced to standard thickness. 1x4 No. 2 grade Yellow Pine. Correctly spaced to prevent shingle rot.

21 *Wall or Box Sheathing* Square edge and sound inch Yellow Pine Lumber, surfaced to standard size and even thickness, to be laid diagonally or square. Shiplap can be furnished if desired.

22 *Attic Flooring* For all designs having stairway to attic. 1x6 tongued and grooved, Yellow Pine Flooring (No. 2 grade) is furnished to cover space as shown on plans.

23 *Finish Flooring Oak* Oak, $\frac{13}{16}$x2$\frac{1}{4}$ inch face "C and Better" grade for all rooms throughout. Maple can be furnished when desired. Note this when comparing prices, others usually specify Yellow Pine or Fir.

24 *Shingles* To be Washington Red Cedar Shingles, Best Quality 5/2 Clears. The quantity we furnish is sufficient to lay the shingles exposed 4½ inches to the weather.

25 *Siding* We furnish CLEAR and FREE from KNOTS siding of best woods; as may be specified in our Bill of Material, generally giving the customers three kinds to choose from.

26 *Lath* For the Lath we furnish No. 1 Quality Soft Pine Lath. Half of each, 48 and 32 inch.

27 *Grounds* 1x1 surfaced No. 1 Yellow Pine or Fir.

28 *Porch Material* Columns, Newels, Rails and Balusters and all porch material is furnished in CLEAR, SOFT OREGON FIR STOCK, which makes the best possible finish for the purpose. Columns and newels of the proper lengths furnished ready to set in place. Rail and Balusters furnished in correct lengths to be cut and fitted on the premises to make a satisfactory job. For porch flooring we furnish Clear Quarter Sawed Fir or Clear Flat Sawed Fir Flooring, as Material List may specify, all in full length.

29 *Exterior Finish* We furnish all corner boards, water table base, verge boards, brackets, frieze, belts, flower boxes, mouldings where shown in plans. CLEAR, SOFT OREGON FIR or CYPRESS STOCK. Porch ceiling and cornice soffits in $\frac{5}{8}$ inch thickness, matched and beaded stock suitable for oil finish. Step treads and risers shown on Blue Print included—when ordering, be sure to tell us if you need more steps than shown. This part of your building material should be cut and fitted on the job; in order to insure a perfect fit and to prevent water from getting into and under open joints, causing quick-rot and rapid decay. A perfect fit would be impossible were the material cut to fit anywhere else, should the house accidentally be built slightly out of true—and where is there a house that isn't? Think this over carefully.

30 *Ready-Cut Outside Door and Window Frames* We furnish all Outside Door and Window Frames of CLEAR, SOFT OREGON FIR, 1¼x4¼ inches OUTSIDE CASINGS all shipped in the knocked down ready to nail together, carefully marked and bundled; one frame is shipped already "set up"—makes work easy on balance.

31 *Window Sash* Windows and sash furnished with glass in place. All windows furnished bored and grooved, ready to receive sash cord. All windows are **1$\frac{3}{8}$ inches thick, check rail** and glazed as specified. Sash stock is STRICTLY CLEAR SOFT PINE.

32 *Ready-Cut Inside Door Jambs* Furnished with proper head piece—jambs being grooved (dadoed), ready to receive head piece, all clearly marked and bundled. All clear lumber.

33 *Ready-Cut Stairway* Main stairway Ready Cut material, consisting of stringers housed, ready to receive the treads and risers. Treads and risers are clear, beautifully grained lumber. Angle newels, rails, balusters, etc., all finished and sanded. Carefully packed, marked and bundled. Cellar and Attic stair treads and risers cut to right length in No. 1 Yellow Pine. Rough stair horses are furnished ready cut for correct run of tread and risers for all stairs.

General Specifications—*Continued*

34 *Doors Mortised* All doors mortised to receive locks. A big saving. All inside doors **clear** "A" quality, **1⅜ inches thick,** sizes and styles marked on plans and specified in the List of Material. The outside front door to be glazed and of **1¾ inch thickness.**

35 *Ready-Cut Interior Trim* All material for this work to be CLEAR, FREE from KNOTS, SAP or STAIN, Georgia Pine (unless Oak or other woods are specified), including all door and window trim, baseboard, carpet strips, base blocks, chair rail, hook strip, picture moulding, etc. All materials to be entirely suitable for natural wood finish, or any of the many beautiful stain effects now so deservedly popular. Detailed full size on sheet with Blue Print Plans. All Ready-Cut, except Base Board, Picture Moulding and Chair Rail, which must be cut when set in place to make a good job.

36 *Building Paper* We furnish sufficient building paper to cover the entire outside walls of the building, and for **between floors on both first and second floors.** This paper is a standard good quality as used in best construction work. Tarred felt for walls, red rosine for floors.

37 *Hardware and Nails* Solid bronze night latch front door lock furnished. Mortise door locks for all doors all of appropriate design; all butts, sash lifts and fasteners to match. Antique Copper or Lemon brass finish nickel-plated hardware for bath room. We also furnish the necessary sash weights, cords, ball bearing window pulleys, base knobs, coat and hat hooks, common, coated, galvanized and finishing nails, etc., for the completion of the job. No advertising appears on door knobs or other material.

38 *Galvanized Iron* Under this branch of building work we furnish all the necessary down spouting, guttering, in slip joints requiring no soldering with necessary fittings, flashings, tin shingles, etc., and all in the best galvanized iron.

39 *Three Coats Paint* We furnish Harris guaranteed quality painting materials for all our houses, three coat work. Consisting of priming coat and two coats best quality Lead and Oil Prepared Paint for exterior, body, trim and porches. Paste wood filler and two coats guaranteed varnish for floors. One coat oil and acid stain, one coat shellac, one coat spar varnish for interior trim and doors. Two coats flat white paint and one coat high gloss white enamel for woodwork in bathroom. Mineral paint for sheet metal. Pure boiled linseed oil, turpentine, benzine and alcohol for thinning. Assorted colors in oil, sand paper and steel wool. Creosote Shingle Stain furnished for dipping wall shingles when shown in illustration. No roof paint or stain.

40 *Harris Byrkits Sheating Lath* When furnished is to be applied directly to the studding over heavy tar felt on all houses showing plaster exterior. Made from inch lumber tongued and grooved, keyed out to form tight grip on stucco plaster, reinforced with No. 9 gauge galvanized wire and staples and expanded metal lath at corners. When using Byrkits lath, this reinforcing, is demanded by plaster manufacturers when guaranteeing their product. The use of Byrkits lath is endorsed by many of the largest Patent Stucco manufacturers when guaranteeing their stucco, provided it is reinforced as specified above.

41 *Blinds* and benches are shown for decorative effect only and are not included in our price. Prices, if wanted, quoted on request.

42 *Ceiling Heights* First story 9 feet in the clear, second 8 feet 6 inches in the clear is our standard throughout, with but very few exceptions where it has been found necessary to deviate.

43 *Recapitulation* The above will give you a general idea of the high class of material we furnish. We do not include masonry material of any kind except the lath—and will furnish

Special Quotations on

Plumbing	Shades
Heating	Cabinet Work
Electric Fixtures	Electric wiring
Screens	Plasterboard
Storm Sash	Magnesite outside Wall plaster

See Building Material Section in this Catalog

For illustrations of beautiful Interior trim, Doors, Windows, Hardware, etc., etc., see millwork pages of this catalog.

Important—Shipment From Chicago

Quick motor truck delivery to building site in Chicago and Vicinity

When you order your Harris Home it will be loaded right here in Chicago where you may come and personally inspect the loading. We have our own Lumber Yard and Planing Mill, Millwork Warehouse and Factory, Hardware, Paint, Plumbing and Heating Departments as well as other departments handling material generally going into a house.

Do you realize what this means to you in the way of saving in freight and handling charges at your end of the line, as against having your lumber come from one point, Millwork from another, Hardware from another, and Paint from still another—each with their extra hauling, handling, and freights to be paid as well as accompanying delays—and on top of it get the material you need FIRST last, or vice-versa? When you buy a Harris Home this is avoided.

Chicago enjoys low freight rates and exceptional railway facilities.

Insist upon knowing where your material comes from and how many shipments before you place your order anywhere else.

Also shipments from our Eastern Headquarters Branch—Cresskill, N. J.

Quick motor truck delivery can be made to building site in New York City and vicinity. Freight shipments to New Jersey, Eastern New York, and New England States can now be made from our Eastern Headquarters Branch at Cresskill, New Jersey,—just across Hudson River from New York City.

Furnished also with Breakfast Room—Plan-B
PRICE
$1960

Harris Home No. G-1000

PLAN A

The Size
28 ft. x 41 ft. 4 in.

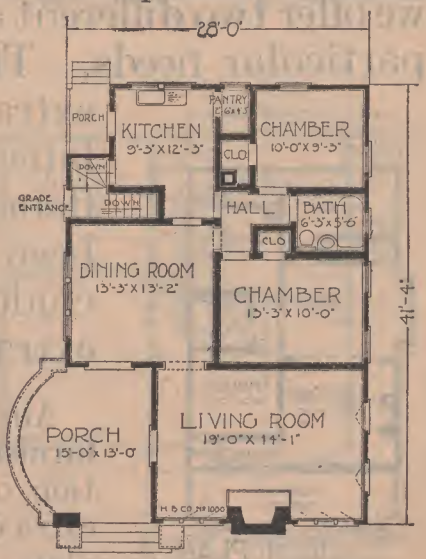
Five Rooms and Bath

PRICE
$1906

HERE is a model bungalow of the charming California type. Viewed from any direction a passing glance is invariably turned to a look of prolonged admiration. With its wide overhanging eaves, supported by heavy decorative brackets, the unique treatment of the side porch with its exposed rafters, this bungalow is graceful in structural lines, picturesque and substantial in appearance. Many types of the California bungalow are not practical in climates where the winters are severe. In developing this design our architects have exercised utmost care to combine fascinating features of a true California bungalow with a convenient, comfortable interior and properly constructed for any locality.

Just off the veranda, a large living room occupies the entire front—it is flooded with light from front and side by well placed casement sash. A cheery fireplace adds both beauty and hospitality. A wide cased opening leads to the dining room. Here we have a large well lighted room with a pair of French doors opening on the veranda and swinging doors leading direct to the kitchen with the pantry conveniently located.

AS ERECTED AT HARRISBURG, PA.



FLOOR PLAN

PLAN A
PRICE
$1768

Harris Home No. G-1001A

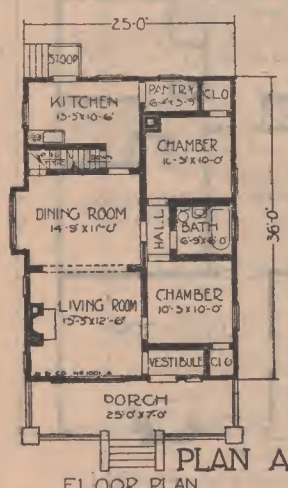
The Size
26 ft. 6 in. x 36 ft.
Inclusive of Bay

5 Rooms
Attic and Bath

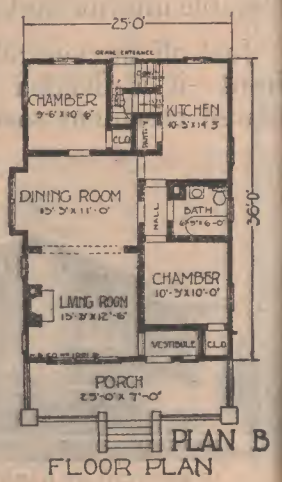
PLAN B
PRICE
$1769

Two Floor Plans to Choose From

THERE is a wealth of character to this attractive bungalow, both in appearance and arrangement of the floor plan. Here we offer two different arrangements. Select the one that suits your particular needs. There is plenty of room in the attic for two extra rooms which you can add later on, if wanted. Heavy attic floor joists and attic flooring have been provided for and are included in given price without extra charge.



PLAN A
FLOOR PLAN



PLAN B
FLOOR PLAN

Any Harris Home can be reversed or furnished in all bevel siding or a combination of siding and wall shingles without extra charge. Finished room sizes given in plans.

Harris Home No. G-1007

We Furnish Oak Floors

Size 40 ft. x 26 ft. Inclusive of Bay

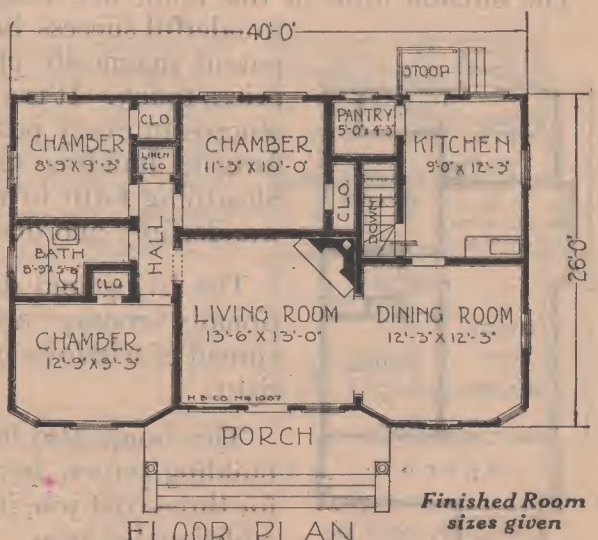
Six Rooms and Bath

PRICE $1753

THIS modern bungalow was selected as the best example to properly represent the many advantages of "The Harris Way" home-building system. During the Iowa Fair at Des Moines and other big expositions, thousands viewed this simple, dignified bungalow.

It has been built so many times that it seems a waste of space to dwell on the many desirable features and the economy with which it can be finished. Considered from a standpoint of construction, the plans clearly show simplicity and common sense—all the merits of economy of a square house—no freakish projections. The interior, as indicated by the floor plan, is arranged for all that is best in convenience to the housewife and comfort to the family. Such a design as this is splendidly adapted to a variety of pleasing arrangements. It will especially recommend itself to people of good taste and moderate means, as an ideal home—will find a ready tenant or sale.

Additional bed rooms and storage space can be had in the large attic space by placing an attic stair over the present basement stairway.



PLAN A
PRICE
$1488

Harris Home No. G-1017

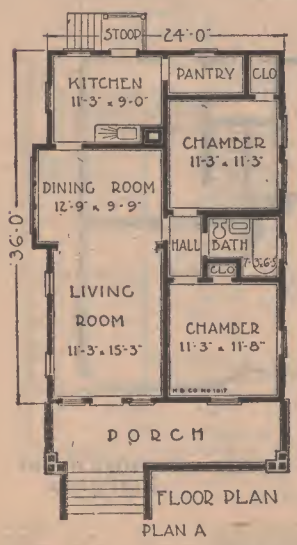
Size 25 ft. 6 in. x 36 ft.
Inclusive of Bay

5 Rooms and Bath

PLAN B
PRICE
$1481

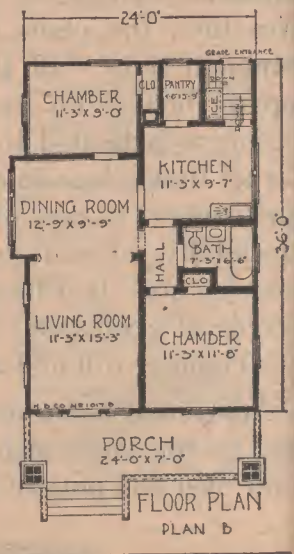
JUST the dandiest size rooms ever planned. Nothing cramped or skimpy about them. This Harris Home is truly a bungalow that will make the heart glad. Unusually attractive, solid, substantial and comfortable appearance from the outside and the same carried on right through on the inside.

The outside walls of this home are designed to be stucco plastered; you have heard what wonderful success builders are having with the patent magnesite plasters offered at reasonable prices today. It is a fact that you can get patent stuccos in every possible color. Remember, we furnish building paper and Byrkits Patent Sheathing Lath to which stucco plasters adhere wonderfully and does not crack.



The living and dining rooms have an exceptionally roomy appearance. The handsome spread of windows in dining room give a flood of light.

This home also furnished with box sheathing, building paper, bevel siding, painting material for three-coat job, instead of Byrkits Lath for an additional charge.



PLAN A

PRICE

$1512

Harris Home No. G-1018

The Size
24 ft. x 32 ft.

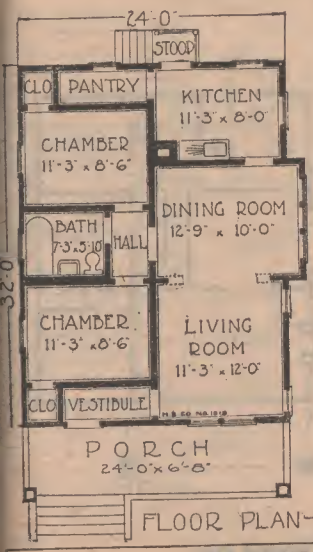
5 Rooms and Bath

PLAN B

PRICE

$1506

HERE is a charming California bungalow with all the conveniences you could wish for. There is nothing lacking in exterior elegance or interior comfort and room arrangement. The broad, spacious porch, covered by the main house roof with its strong supporting brackets and the divided-light window in the gable place this building in a class far beyond the ordinary type.

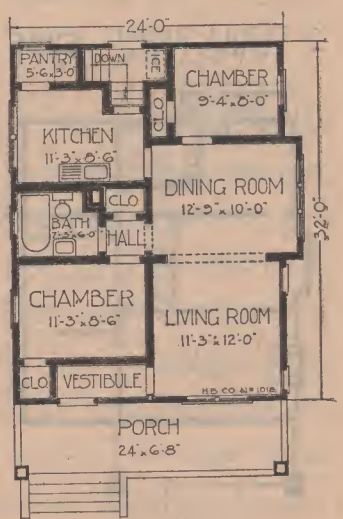


FLOOR PLAN—A

The living and dining rooms are separated by a wide cased opening. This gives a roomy appearance. The opening can be made smaller if owner desires, without extra expense, or if a book case colonnade, French doors or sliding doors are wanted, they will be furnished for whatever the material is worth.

You have two stock floor plan arrangements to select from; surely more convenient plans would be hard to find.

The exterior is of bevel siding and cedar shingle combination. You can have all shingles or all siding without extra charge. Note in our specifications that with wall shingles we furnish creosote stain for dipping and not a brush coat.



FLOOR PLAN—B

PLAN A
PRICE
$2146

Harris Home No. G-1020

The Size
34 ft. x 38 ft.

Six Rooms and Bath

PLAN B
PRICE
$2163

THIS new, modern, and up-to-date bungalow will, we feel certain, meet with approval of our many customers and prospective home builders. Our architects have achieved a real wonder in designing this evenly balanced home, and only the Improved Ready-Cut and Bundling System makes possible the low price at which this bungalow can be purchased. We hardly need mention the wonderfully pleasing appearance of the large and comfortable porch and generous window arrangement.

2 EXTRA ROOMS UPSTAIRS $296

FLOOR PLAN A

This home can easily be erected on a forty-foot lot, or, if a driveway is wanted on side, fifty feet would be better. Two floor plans are offered. Plan "A" is recommended where the attic will not be used. Plan "B" shows attic stairway with entrance to cellar from inside directly underneath. Price quoted on Plan "B" includes: Heavy attic floor beams, attic flooring, attic stairway, and we will be pleased to show you how two large attic bedrooms can be finished off at a small extra cost.

FLOOR PLAN B

Immediate Delivery

Harris Home No. G-1025

Size 26 ft. 10 in. x 41 ft. 4 in. Inclusive of Bay

5 Rooms, Bath and Sun Parlor

PRICE $1699

BUNGALOW admirers will find their highest ideals sensibly incorporated and fully realized in this pleasing home. Both the exterior and interior show a keen regard for all that is modern in room arrangement, design and construction. Stucco and siding for the outside walls in this fashion is always pleasing and desirable. The hip roof with its wide overhanging eaves, the sunken panel porch columns and large fireplace chimney are characteristic of true bungalow designing.

The light, airy sun-parlor, with its many French windows, is probably the most outstanding feature of the excellent interior. Examine the floor plan. The well placed vestibule leads to the living room. Handsome casement sash are placed on each side of the "homey" fireplace. French doors lead to the sun parlor. Outside walls above window sills are sheathed with Byrkits patent sheathing. Stucco plaster is not included in our price. If you prefer shingles or bevel siding, we can substitute whichever is most desirable for small additional charge.

Harris Home No. G-1028

Two Extra Rooms Upstairs

$295

The Size
25 ft. 4 in. x 36 ft.

Five Rooms and Bath

PRICE
$1758

A NEW Harris Home upon which our architects have spent weeks of study—here is the result. Does it not seem to grow out of the ground? The foundation is of brick, with brick veneer to the window sills and stucco above.

Note the inside stairway to the basement and also to the attic. The pantry addition can be furnished at a small additional cost. This neat trim home viewed from any angle has an air of substantiality with features of good taste and practical designing. Buildings of this type have come to stay, not only for their elegant exterior, but the general proportions permit all comfortable, practical room arrangements. Here is a splendid home built with big economy "The Harris Way." Nothing lacking anywhere.

Study the floor plan of this design—read our free blue print plan offers in the first pages of this book. What more could you wish for in comfort, convenience and arrangement? Everyone admires this Harris Home from every viewpoint.

Finished room sizes given.

FLOOR PLAN

Harris Home No. G-1031

Thru Studding to Grade

The Size 24 ft. x 32 ft.

Five Rooms and Bath

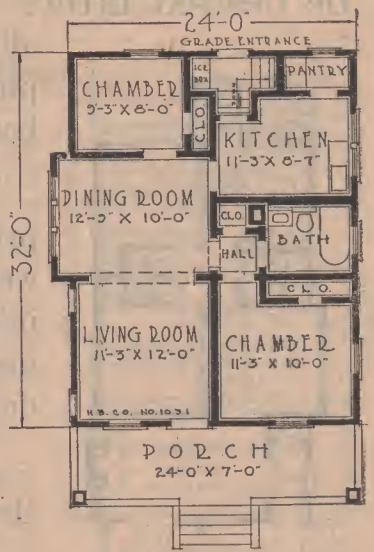
PRICE $1545

YOU cannot help admiring this beautiful and sensible Harris Home. The true bungalow effect, the broad overhanging eaves, perfectly placed brackets and flower-box make it a desirable selection of good taste and discrimination.

A home of this type presents a splendid subject for perfect interior room arrangement. The wide cased opening between the two main rooms gives that spacious effect. Study the plan and we dare say you will agree that this is a perfect gem.

When wanted, the front porch can be enclosed as shown in picture for an additional charge.

The plan as shown can be used for north and east exposures; order plans reversed if house will face south or west.



FLOOR PLAN

Two Extra Rooms Upstairs

$321

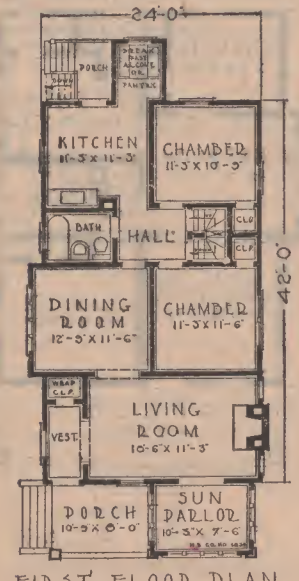
Harris Home No. G-1034

The Size
24 ft. x 42 ft.

Five Rooms, Bath, Sun Parlor and Large Attic

PRICE
$229

SPACE upstairs for two chambers and extra bath. Whe building a home you look into the future. Will more roo be needed later? Here is a design that has proven exceptio ally popular. It is designed to have a plastered exterior but will be equally beautiful with siding or shingles.

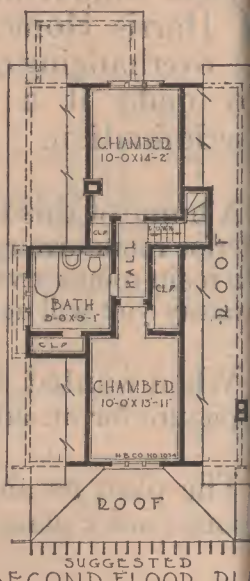


FIRST FLOOR PLAN

The finished cost of this building is surprisingly low, because the framing material we furnish sets on a grade foundation wall; in other words, you get a seven-foot basement with only a four-foot concrete foundation.

All room sizes given on floor plans are in the clear from plaster to plaster.

Any Harris Home Plan can be reversed without extra cost.



SUGGESTED
SECOND FLOOR PL

Three Extra Rooms Upstairs

$349

Harris Home No. G-1503

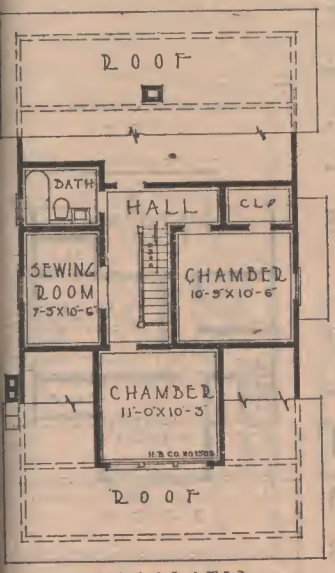
Size 27 ft. 6 in. x 40 ft. Inclusive of Bay

5 Rooms, Bath and Large Attic

PRICE

$2110

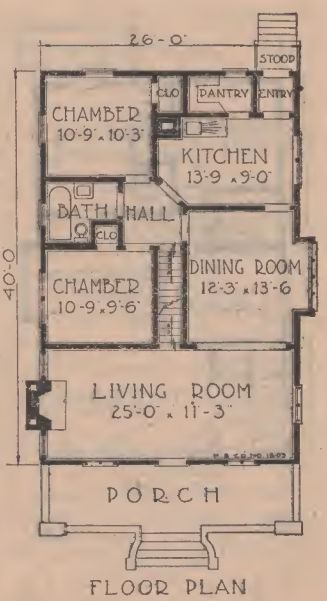
HERE is the beauty of all beauties, and not only does this apply to the exterior appearance which really speaks for itself, but equally as well for the interior. The plan of the rooms is perfection itself. The building of such a Harris Home carries with it a pride of ownership that bespeaks of solid citizenship, dependability, comfort and sensible good taste.



SUGGESTED SECOND FLOOR PLAN

The broad inviting front porch and the spacious living room are true adjuncts to a successful bungalow and to a real home. As we enter this room we are impressed with its beauty. There is a handsome mirror door included that leads to the second floor. The view through to the dining room has a long broad bay window with four attractive casement sash. If front porch is wanted enclosed, same can be furnished for small additional cost.

The best yet—there is space in the attic to finish off three rooms, hall, large closets and an extra bath as shown in suggested second floor plan. See price lists for cost of material to finish off these rooms.



FLOOR PLAN

Harris Home No. G-1508

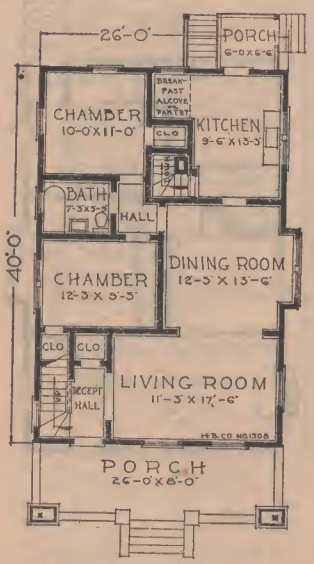
Size 27 ft. 6 in. x 40 ft.
Inclusive of Bay

7 Rooms
2 Baths and Storage

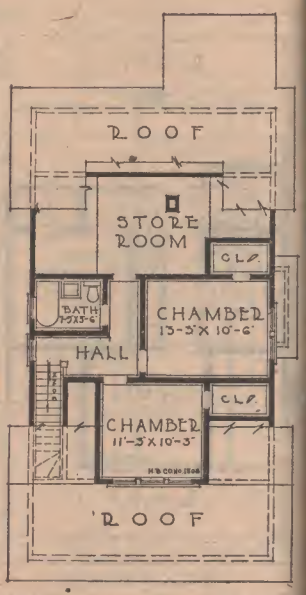
PRICE
$2415

THIS very handsome and distinctive stucco semi-bungalow has proven exceptionally popular. In every line it gives the impression of being a most comfortable home. The sweeping porch beam, tapered columns, the wide eaves, all lend themselves to the perfection of this design.

Send for the complete blue print plans, which include detailed specifications and list of material—describing every item of material we furnish for this home.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. G-1510

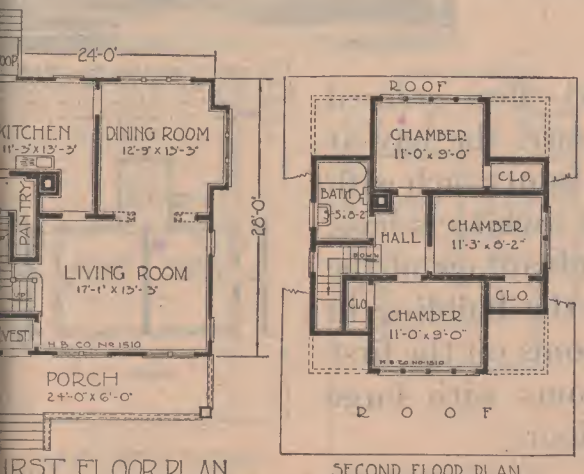
atisfaction
uaranteed

Size 25 ft. 6 in. x 28 ft.
Inclusive of Bay

6 Rooms
and Bath

PRICE
$1963

A WONDERFULLY attractive stucco plastered home. Here is a home that will hold the attention of the passerby. It has just enough ornamentation, of the substantial kind, to add distinction and character, keeping it far above the common run of similar houses. s attractiveness does not end with its exterior appearance, but only begins. The interior is a elight to the eye, and a joy to the housewife, whether she has servants or not. Every detail as been carefully studied to enable the owner not only to furnish this house without waste of oney, material and labor, but also to live in it without wasted footsteps and energy. The oad, spacious porch, the full width of the house, is easily glassed or screened in.



IRST FLOOR PLAN

SECOND FLOOR PLAN

We enter the house through a vestibule that affords protection against the weather, and to the right is the large, handsome, well-proportioned living room, connected to the dining room with a cased opening. Particular attention is called to the number of handsome and well arranged windows.

The kitchen is just the right size; pantry conveniently located, with plenty of light, and even a broom closet provided. Entrance to the cellar is directly under the main stairs through the side of the pantry.

The upstairs has three large bed rooms, each with a closet that is a delight and comfort. Nothing has been skimped in the way of light and ventilation. The bathroom is well located, and installation of plumbing (see back pages of this book) cost low, because it is directly above the kitchen.

Harris Home No. G-1512

Truly A Home Beautiful

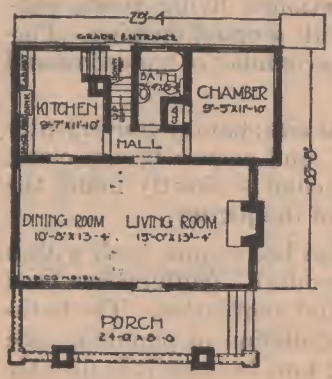
The Size 26 ft. 8 in. x 29 ft. 4 in.

Six Rooms and Bath

PRICE $1873

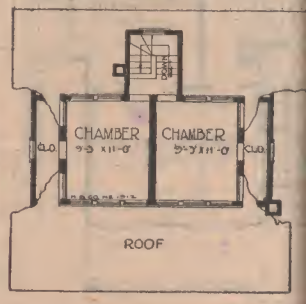
HERE, Mr. Home Builder, is your dream of your ideal home come true. There are so many beautiful features of exterior designing and so much good taste and common sense displayed in the room arrangement and construction that we scarcely know where to begin this description.

The owner of this No. 1512 Hon preferred stucco for the porch an lower portion. Your own indivi ual tastes can also be carried out.



FIRST FLOOR PLAN

Notice the splendid effect secured with the lookout dormer, the bay at side and especially the front porch with its side entrance. Our architects have taken every possible advantage of the liberal dimensions of the building in planning four large rooms on the first floor and two bedrooms with large closets on the second floor.



SECOND FLOOR PLAN

Harris Home No. G-1522

Size 25 ft. 6 in. x 29 ft. 4 in.
Inclusive of Bay

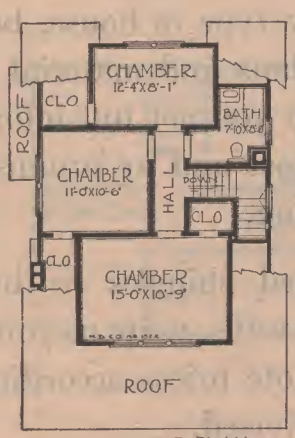
6 Rooms
and Bath

PRICE
$2213

THIS popular addition to the aristocratic "family" of Harris Homes, with its elegant exterior and room arrangement, was designed on account of the many requests for a larger home of the bungalow type. The broad sweeping lines of the true bungalow have been preserved by extending the roof out over the porch. Two well placed dormers at both front and rear, designed in careful detail and perfect harmony, add greatly to the general appearance and roominess of the interior. These dormers enable us to design square ceilings in all of the rooms on the second floor.

All rooms are of excellent proportion. At one end of the living room there is a large "cheery" fireplace. Just enough of the handsome stairway shows at the other end of the living room to break the long line, adding a decorative and desirable feature. Note the well planned bay in the dining room with its many windows. The kitchen is planned for convenient access to all rooms, basement, side grade door and rear of the house.

FIRST FLOOR PLAN



SECOND FLOOR PLAN

On the second floor there are three large bedrooms and closets. The bathroom is conveniently reached from any part of the house and is placed over the kitchen for economy in the installation of plumbing. The interior trim and mill work is modern and up-to-date style. Get the complete plans and all details of our liberal offer as explained in preceding pages.

Three Extra Rooms Upstairs

$313

Harris Home No. G-1527

The Size
24 ft. x 44 ft.

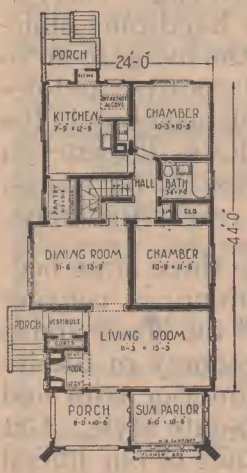
5 Rooms, Bath, Sun Parlor and Large Attic

PRICE

$2572

Space upstairs for 3 extra chambers and bath

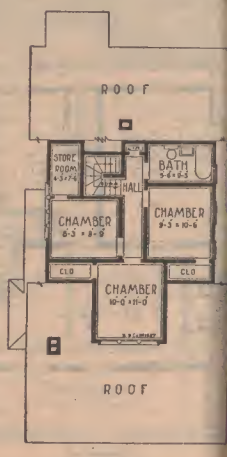
YOU cannot help but admire the beautiful lines of this plastered semi-bungalow You cannot overlook the symmetry, perfect balance and plain yet invitin exterior. A glance at the illustration and floor plans pictured here tells a bette story than any description that we could write.



FIRST FLOOR PLAN

If you are looking for individuality or something different than the ordinary type of house, better send for the blue print plans and material lists today. We will gladly help you get full information as to its completed cost and we promise to help you effect a great saving.

If siding, creosote dipped shingles or brick-veneer is wanted for outside walls, write us your requirements and we will quote prices accordingly. Any Harris Home can be reversed.



SUGGESTED SECOND FLOOR PLAN

Harris Home No. G-2000

The Size
28 ft. x 28 ft.

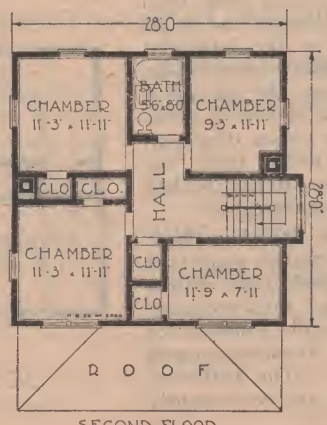
Eight Rooms and Bath

PRICE
$2397

THE most striking impression you receive in a passing glance at this Harris Home is the perfect balance and trim appearance, as one man said: "It's good to look at but better to live in."

Here is a modern home with character where both the quality and interior arrangement, at their best, are strongly represented. Add to this splendid array of features the economical advantages of "The Harris Way" Improved Ready Cut system, where no material, time or labor is wasted. You will then understand why this home is so popular. Comfort, convenience and health have been the aim of our designers. The windows are many and properly situated to give an abundance of light and ventilation.

FIRST FLOOR PLAN



SECOND FLOOR

Utmost care has been exercised in this home, as in all Harris Homes, to avoid all impractical expensive construction. As a result these homes are offered at unapproached prices. Special attention is called to the convenience of the ascent to the second floor—notice the main stairway is reached from the front hall or kitchen. Another important advantage in this home is the proper arrangement of the rooms for economical plumbing and heating plant installation.

All complete details of construction and the material going into this Harris Home can be had by taking advantage of our liberal offer of Free Plans as outlined in the preceding pages of this book.

Harris Home No. G-2002

The Size
34 ft. x 22 ft.

Seven Rooms and Bath

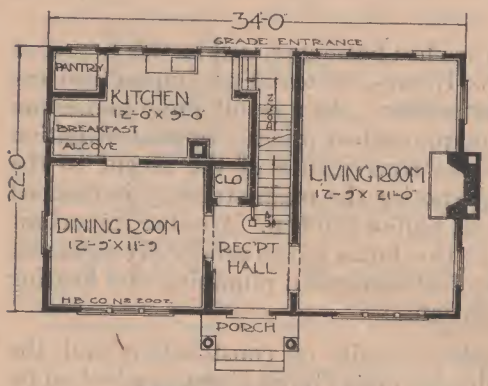
PRICE
$2285

HERE is a superior type of modern colonial home—just the right size—not too large and not too small Can be economically built and maintained after it is built, a point that is generally overlooked or found out when it is too late. This design will stand out boldly no matter where built, bespeaking solidity comfort and convenience, rather than the gaudiness and show, at the expense of the former.

Massive columns supporting the entrance porch, give a splendid first impression of the good things that are to follow.

The reception hall is large, has a good sized clothes closet and just enough of the stairway is open to break the monotony.

We pass through a handsome pair of French doors into the living room, with its cheerful fireplace, with space galore for furniture, piano, victrola, bookcases, and other furnishings that go to give a room a homelike appearance.



FLOOR PLAN

Exit to the rear is made from the kitchen through the grade entrance or to the basement stairs. The dining room is also separated from the reception hall by a pair of French doors and a double action door separates this room from the kitchen. The kitchen is laid out for every convenience.

Upstairs we find four large bedrooms, all directly connected to a central hall, each with a large closet and with necessary shelves and ample windows for light in every direction, as well as ventilation. The bathroom is of good size and conveniently located.

SECOND FLOOR PLAN

Harris Home No. G-2012

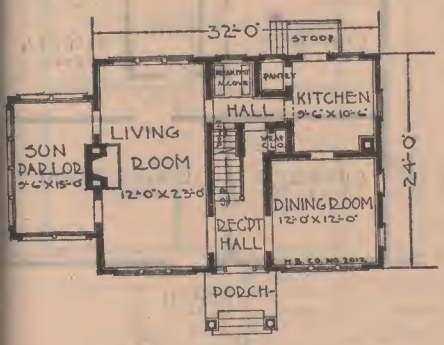
The Size
24 ft. x 32 ft.

6 Rooms, Bath and Sun Parlor

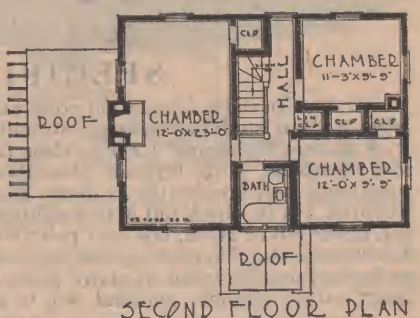
PRICE
$2741

A DUTCH Colonial Home has many advantages over other types of houses both in appearance and available room space. Here is a truly typical one emphasizing all the lines which make these houses so attractive.

One of the most attractive features of this home is the generous sun parlor with its many French windows. It will be the gathering place of the family, warm and sunny in the cold winter days and yet open to the cool breezes in the summer. Also the cozy breakfast nook so necessary for modern convenience. All second-floor rooms have square ceilings. The lot should be 50 feet wide. For west frontage, order house reversed.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

HARRIS SPECIAL COTTAGES

For Home Builders with Limited Means

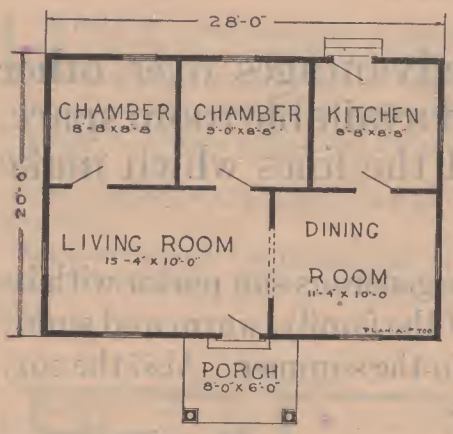
Sound Construction—Good Materials—Single Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

The Size 28 ft. x 20 ft.

No. G-700

5 Rooms or 4 Rooms & Bath

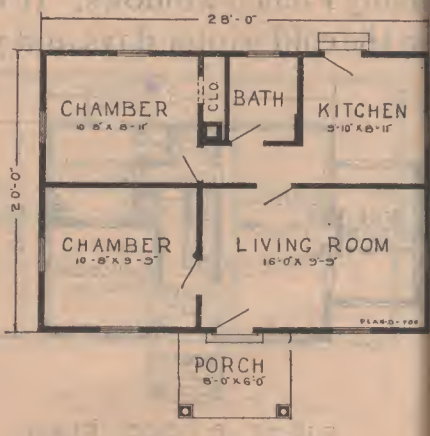
PRICE $650



FLOOR PLAN

THE BEST FIVE-ROOM BUY within your means—an architectural gem, as it has been described.

It is seldom that so modest a home reflects such harmony and good taste. It makes an ideal small home, sturdy and pleasing to the eye, with a floor plan which cannot help but win the approval of the most fastidious. Or, as a summer home at a resort, it is ideal. By the addition of a screen porch across the front, all comforts would be assured. Either floor plan at the same price.



FLOOR PLAN

SPECIFICATIONS

We furnish cedar foundation posts and 4 x 6 in. sills, No. 1 Y. P.; 2 x 6 in. floor joists, 2 x 4 in. studding, ceiling joists and rafters, No. 1 Y. P., spaced 22⅜ in. apart; 1 x 4 in. clear fir flooring; 1 x 6 in. clear fir dropsiding; 1 x 6 in. dressed and matched roof sheathing; ⅜ in. Gypsum plasterboard; Mill end asphalt roll roofing used for subflooring and boxsheathing; doors, two-panel clear fir; interior trim, clear Y. P. windows, 1⅜ in. check rail with weights and pulleys; asphalt slate surfaced roll roofing, either red or green, one coat paint for exterior; oil and varnish for interior; nails for all purposes. No heating, lighting, masonry, or plumbing materials. No shutters or flower boxes included in above price, but quotations on any or all of the above items, except masonry material, will be gladly furnished upon request.

Note.—For insulating purposes, Millend roofing is equal to one-inch sheathing lumber.

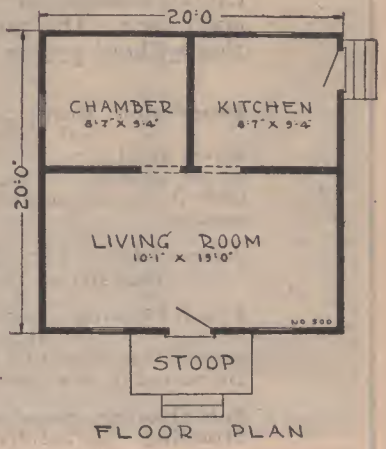
HARRIS SPECIAL HOUSES

For Home Builders with Limited Means

ound Construction—Good Materials—Insulated Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

Size, 20 ft. x 20 ft.—3 Cozy Rooms

Build this yourself during your spare time or vacation. All framing materials are cut to fit perfectly.



FLOOR PLAN

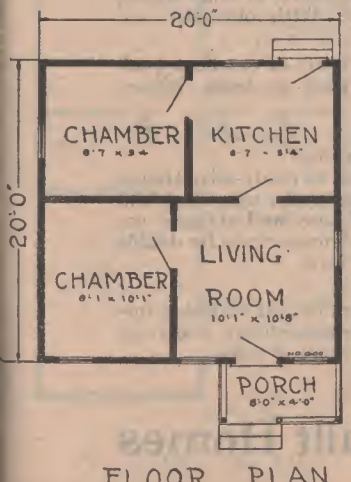
No. G-500 Price $430.00

Why pay rent? Build this cottage on the rear of that vacant lot. When ou have laid aside enough cash to build a permanent home on the front of our lot, this building can be easily converted into a two-car garage. All naterials are accurately cut to fit so you can do the carpenter work yourself, luring spare time.

For the sake of economy, interior doors have been omitted. Quotations ill be given upon request.

For Specifications See Page 104

This is an ideal cottage with which to develop real estate—simple to build, low in price and easily sold.



FLOOR PLAN

Size, 20 ft. x 20 ft.—4 Rooms

No. G-600 Price $528.40

Here you have the same square feet of floor space as above, divided into four rooms, however, instead of three. Doors are provided for all interior openings, the number of windows have been increased from four to six and a covered porch supplants the 4 x 8 ft. stoop on the former. A comfortable nome either for temporary or permanent use.

For Specifications See Page 104

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

General Specifications

In every paragraph of the following specification you will note that great care has been taken in planning for strength and long life in the construction of your home.

You get this information *before you buy;* so there is no possible chance for you to be deceived. You can check up to the very last nail, what goes into your house, as our catalog numbers are given on the material list, and there is nothing left to *imagination or guess work.* This method is far superior and safer for you than a lengthy book specification without proper material catalog to check up with.

Foundation Heavy cedar posts and No. 1 long leaf Yellow Pine sills and girders halved at all joints, accurately cut and fitted ready to nail together. All ample sizes to hold strains and loads in accordance with best standards and good practice.

Joists All floor joists 2x8 No. 1 long leaf Yellow Pine, framed, dressed and cut to fit.

Finish Flooring Flooring furnished absolutely clear grade, tongued and grooved, has a beautiful grain perfectly smooth and guaranteed to give a good job. Inch thick.

Sub-Flooring Sound inch lumber dressed.

Studding Size 2x4, framed, dressed, cut to fit and all spaced 16 inches on centers or 14⅜ inches apart. All window and door stud openings accurately framed, marked and bundled. (An exclusive Harris System.)

Wall Sheathing Sound inch lumber, dressed.

Rafters Size 2x4, notched, mitred, beveled and accurately framed. All dressed strictly No. 1 long leaf Yellow Pine. A perfect fit guaranteed.

Roof Sheathing Sound inch lumber dressed and matched.

Building Paper Heavy Slater's tarred felt between double floors and double walls.

Side Walls Clear Siding. Free from knots or defects. Your choice of spruce or redwood. Either 4 or 6 inch widths. Guaranteed to hold paint perfectly. If red cedar shingles are preferred for outside walls or a combination of shingles and siding, materials will be furnished accordingly without extra charge.

Outside Finish All absolutely clear fir surfaced. Porch columns, guaranteed lock joints, outside mouldings, clear fir or white pine.

Window and Door Frames Absolutely clear fir 1⅛ inch casings 1⅝ inch sills, finest stock, beautifully machined and finished.

Window Sash Finest clear white pine, all sanded and finished with exceptional care. 1⅜ inch thick check rail. No better windows can be obtained. Window glass all ready in place, tacked and puttied.

Roofing We furnish the best Slate Surfaced Roofing that money can buy. Colors red, green or the new shade blue-black.

Doors Bungalow front doors. Rear doors half glass, clear, solid white pine or fir. Two-panel clear fir inside doors, selected especially for beautiful grain and finish. Doors mortised for locks.

Interior Woodwork Base, jambs, casing, stool, apron, picture moulding, absolutely clear Yellow Pine or fir. Selected especially for beautiful grain, all flat surfaces sanded smoothly.

Plasterboard ⅜ inch thick "Smoothwall" plasterboard furnished in wide sheets, running from floor to ceiling. With joint filler.

Hardware Operating hardware of excellent quality complete, such as locks, hinges, lifts, sash weights and cord.

Nails Nails of all sizes furnished.

Paints Guaranteed lead and oil ready-mixed house paint for all outside walls, trim, sash and porch work, two coats. Where wall shingles are ordered we furnish Creosote Shingle Stain for double brush coats. Send for color card.

Stains and Varnishes Best quality stains and varnishes furnished for all interior floors, doors and trim. Your choice of colors.

☞ These Are Regular Carpenter-Built Homes

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

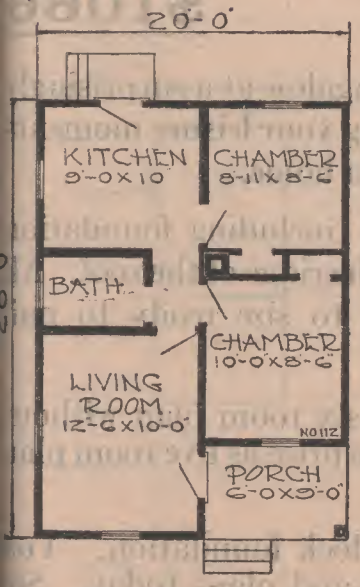
Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

The Size
20 ft. x 28 ft.

No. G-112

4 Rooms
Bath and Closets

PRICE **$781**



FLOOR PLAN
ANY PLAN REVERSED WITHOUT EXTRA CHARGE

THE best bargain ever offered in a 4 room house! All material including Cedar foundation posts to complete this home including plasterboard, roofing and to the minutest detail, such as coat and hat hooks, etc., all furnished in guaranteed quantities. Exceptionally high quality throughout.

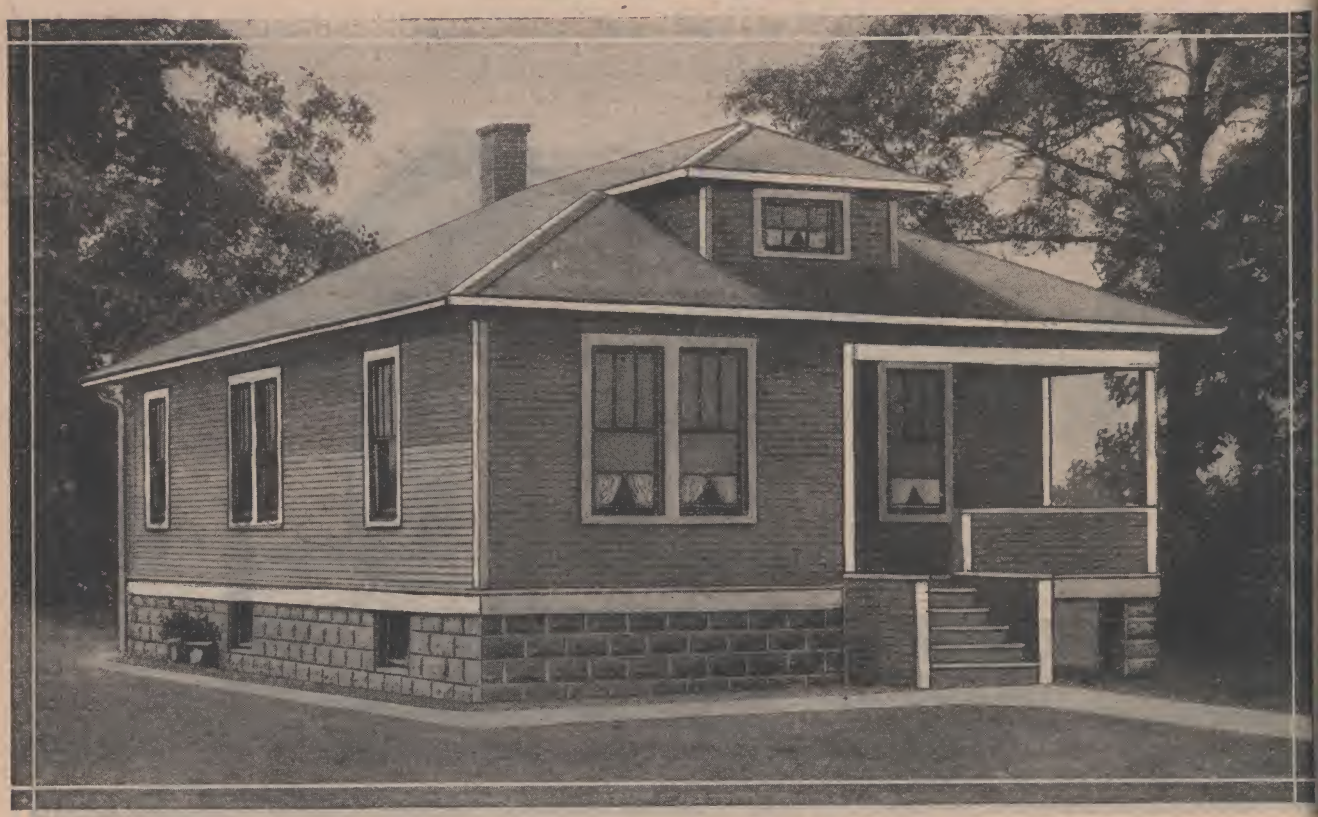
Two carpenters can assemble the accurately cut material we furnish according to our free plans in three weeks' time.

We will furnish this home in 5 room plan without bath or closets without any additional charge.

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

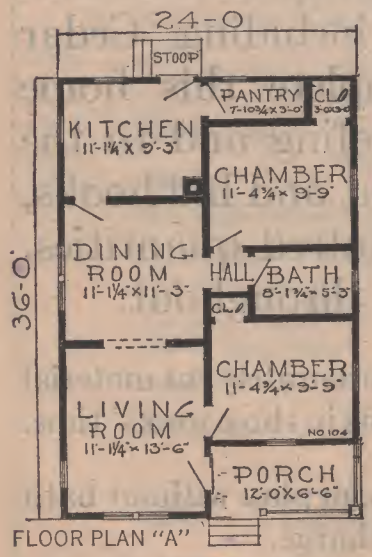


Economy House No. G-104

The Size
24 ft. x 36 ft.

5 Rooms
Bath & Pantry

PRICE
$1066



FLOOR PLAN "A"

SEND FOR SPECIFICATIONS

YOU can build this modern bungalow at a surprisingly low cost—yes, and even during your leisure moments if you are determined to own a home.

We furnish every needed item (including foundation posts with 6 x 6 sills) clear up to the ridge of the roof. All framing material accurately cut to size ready to nail together.

We also furnish this house in six room plan without pantry, bath or closets at the same price as five room plan above.

Picture above shows cement block foundation. You can do the same; get particulars and plans today. See Free Plan Offer D.

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

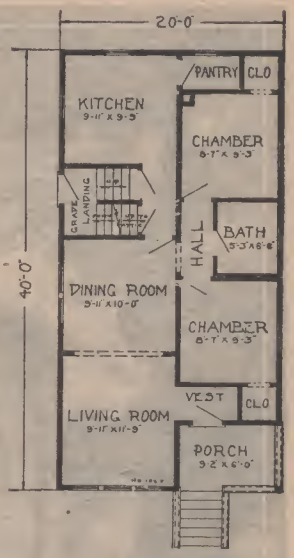
No. G-104

FLOOR PLAN "D"

The Size
20 ft. x 40 ft.

PRICE
$1295

5 Rooms, Bath and Pantry and Attic



FLOOR PLAN - D

HERE is a plan for narrow city lots 25 feet wide or so. The arrangement is ideal. The outside studding extends to grade reducing foundation costs to a minimum. A 4 foot foundation gives a full basement. Note grade entrance and inside stairways to basement and attic. Basement windows complete with frames, hardware, attic stairway and attic floor included. The outside studding are 14 feet long and extend above attic floor so there is plenty of space upstairs where extra rooms can be finished up later on.

Homes like this are selling for $6,000 to $7,000 in the suburbs. You can build it yourself for half and can realize a big profit if you care to sell. Make your start now! Our experts are waiting to help you.

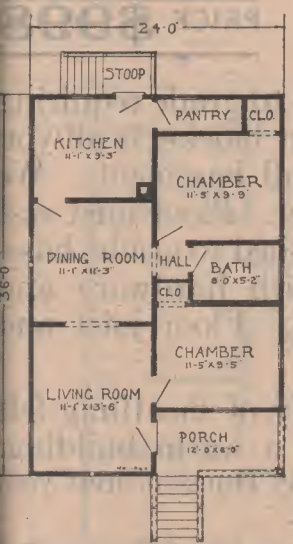
No. G-104

FLOOR PLAN "C"

The Size
24 ft. x 36 ft.

PRICE
$1262

5 Rooms, Bath and Pantry



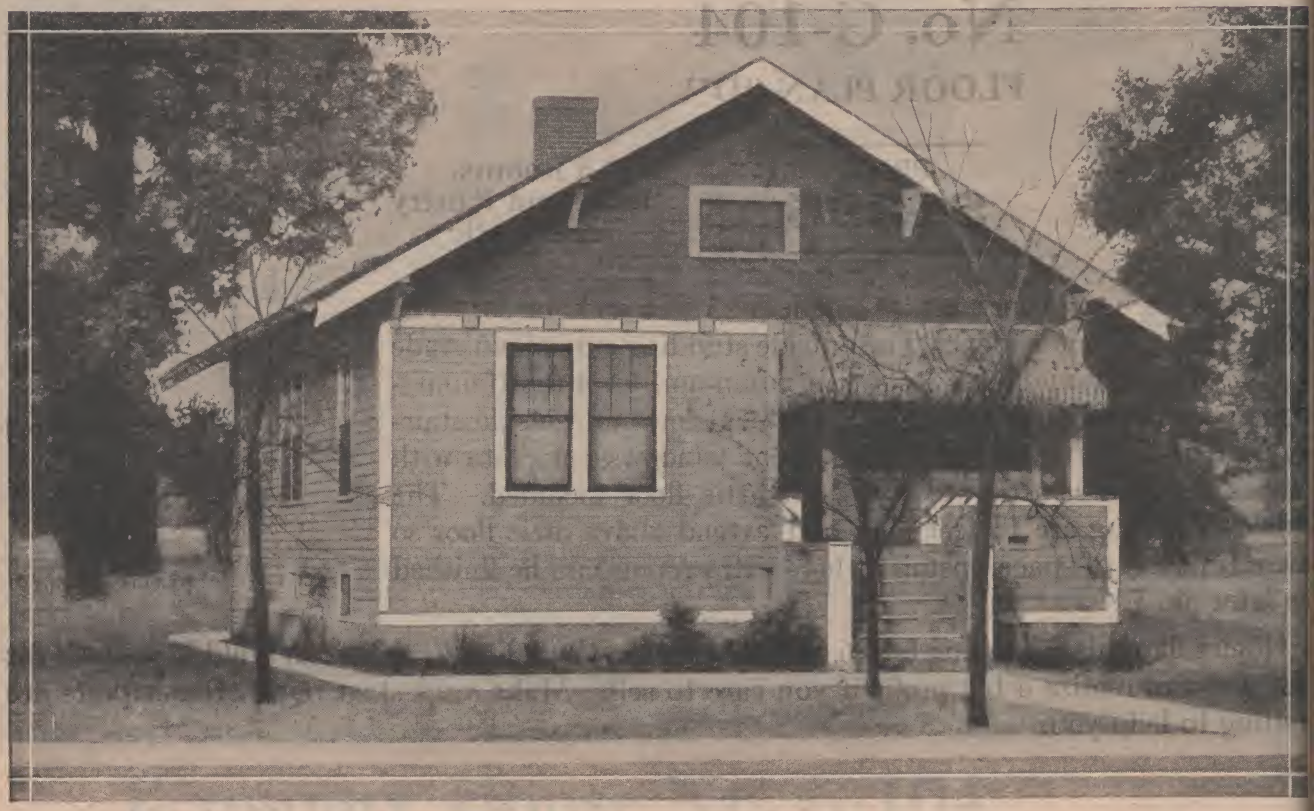
FLOOR PLAN-C

IN floor Plan C no change has been made in the room arrangement, but if you want a full basement under your home we recommend that you order Plan C which is furnished with through studding 12 ft. extending down to a 4 ft. grade masonry wall, which cuts cost of foundation to a minimum. Outside basement door and 4 sash, solid 6 x 6 girder posts with extra sheathing and siding to grade and floor joist 16 inches on centers included in above price. Compare this with anything you can get elsewhere—consider quality, price and construction. We have every reason to believe that you cannot duplicate this offer.

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

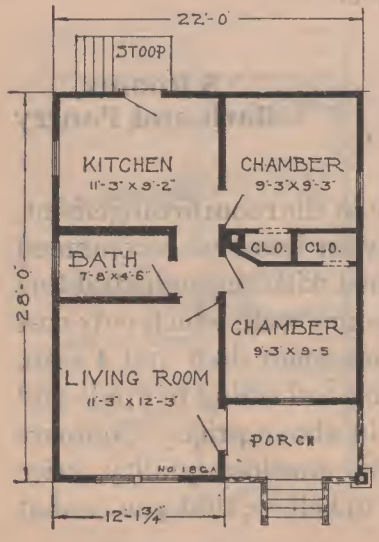


The Size 20 ft. x 28 ft.

No. G-186

4 Rooms Bath and Closets

PRICE $998



FLOOR PLAN - A

A 4 FOOT cement block foundation to grade requiring less than 400 8x8x16-inch cement blocks, is all you need for this design to get a full basement. We furnish through outside wall studding. Floor joist rest on ribbon, sheathing and siding furnished to grade, basement windows, door and frames with hardware and girder posts included in above price. Floor joist and studding 16 in. on centers.

Double floors and walls with plenty of sheathing felt and substantial construction makes a warm building. Ask the owner of a Harris Home or Economy House nearest you. Names and addresses furnished on request.

You can easily build this popular cottage with material furnished ready cut under our guaranteed system and save from 10 to 15% on material and 30 to 40% on labor.

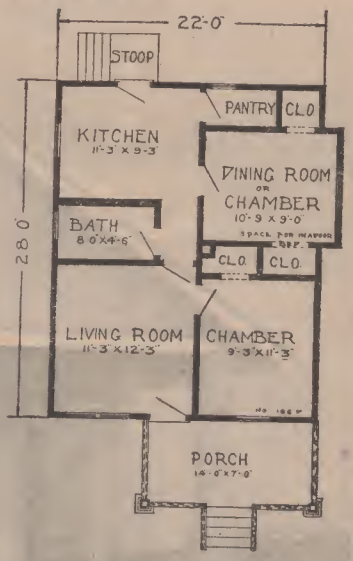
HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

THIS is one of the most popular cottages we have ever offered. General design is an adaption of No. 186 Plan A shown on opposite page, with a wonderful floor plan. Note two closets in dining room, one large enough for an In-a-door bed, which when added would give you five room efficiency.

Not an inch of waste floor space. Careful placing of doors and windows—elimination of waste in cutting materials plus quantity production makes it possible for us to offer this cottage ready cut, backed by a broad and binding guarantee at a price that is absolutely right.



FLOOR PLAN - D

No. G-186

Floor Plan "C"

The Size	4 Rooms
22 ft. x 32 ft.	Bath & Pantry

PRICE

$1188

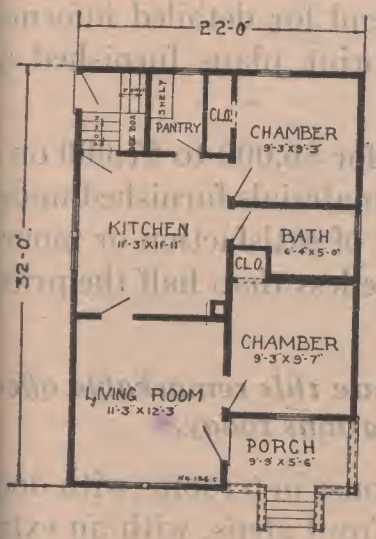
No. G-186

Floor Plan "D"

The Size	4 Rooms
22 ft. x 28 ft.	Bath & Pantry

PRICE

$1144



FLOOR PLAN - C

DESIGN 186, Plan C, shown to the left, may suit your requirements. The cost to build is only a trifle more than Plan A shown on opposite page. The arrangement is ideal for those who need only four large rooms. It is planned of course for full basement with inside stairway and plenty of windows. The studding extend to grade wall, the joist and studding are spaced 16 inches on centers—Double floors and walls—Plasterboard, tight roof boards and slate surfaced roofing. Windows, Doors, Frames, Trim, Glass, Hardware, Nails, Paints, Stains and Varnishes all furnished in guaranteed quantities and quality. Erection Plans and full instructions furnished Free with every order we receive.

HARRIS ECONOMY HOUSES

For Home Builders with Limited Means

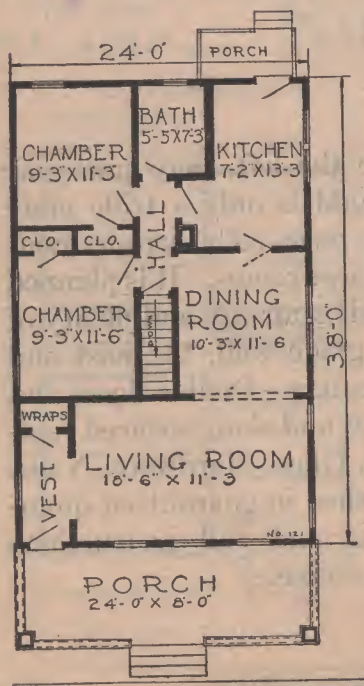
Sound Construction—Good Materials—Double Walls and Floors—Ready Cut—A Perfect Fit Guaranteed

The Size 24 ft. x 38 ft.

No. G-121

5 Rooms Bath and Closet

PRICE $1498



YOU cannot duplicate this house at anywhere near our price, quality considered. Send for detailed information and preliminary blue print plans furnished at $2.00 per set.

Homes like this one are selling for $6,000 to $7,000 on a cheap lot. Build it yourself with materials furnished under our broad and binding guarantee of satisfaction or money refunded and the total cost will be less than half the price asked for a home already erected.

You owe it to yourself to investigate this remarkable offer. Send for free specifications today.

At same price we furnish this house in 6 rooms with door to living room directly opposite front steps, with an extra chamber where vestibule is now shown.

HARRIS

PATENTED

"CELLU-SEAL" INSULATOR LINED

"UNIT MADE"

BUNGALOWS—LAKESIDE COTTAGES GARAGES

and

BUILDINGS FOR ALL PURPOSES

These Buildings are not to be confused with our Ready-Cut Harris Homes Beautiful. All "UNIT MADE" Buildings are completely manufactured in sections at our factory in Chicago and can be assembled on the ground in quick time by inexperienced workmen.

There are practically no limitations for which these buildings may be used, but the main purposes for which they were designed are briefly summarized as follows:

No. 1—For the man who intends building a home, but is unable to build the more elaborate type of house. He will find these buildings will make a comfortable, attractive, well-built and practical home in every respect.

No. 2—For the man in an out-of-way locality, where it is difficult to secure material and skilled building tradesmen. He will find that these buildings will solve the problem. A complete house can be loaded on trucks, delivered to destination and erected in many cases not longer than three or four days.

No. 3—For the man who is building a Lakeside Cottage. He will find that a HARRIS "CELLU-SEAL" LINED Cottage can be erected by himself with the aid of a few friends over a week-end. He can avoid the usual delays and expense connected with buying lumber, engaging carpenters, painters and other workmen to complete his cottages.

No. 4—For the man who intends building a garage, we can only say that there are more than 15,000 of these Unit Made "CELLU-SEAL" Garages in the Chicago District alone. This should be sufficient evidence that these buildings are practical, durable, attractive and above all, lowest in prices. Our success is due to our policy of using first-class material thru-out, exceptionally strong methods of construction and many tested patented features of construction, enabling customers to erect their own Garages in a quick and satisfactory manner.

If you are interested in any one of the purposes for which these Buildings have been designed, you should, by all means, read over carefully the following pages which are devoted to these Buildings. We show in detail how these buildings are constructed and the kind of material used.

You need not limit yourself to the Plans and Sizes shown. "Unit Made" buildings can be furnished in widths up to 28 feet, and lengths up to 100 feet. If you do not find what you want send us a sketch of your plans.

THESE COTTAGES HAVE BEEN ERECTED IN THE COLDEST CLIMATES

SELECT THE TYPE OF OUTSIDE WALL FROM BELOW—SEE NEXT PAGE FOR INSIDE WALLS ☞

OUTSIDE WALLS

NO. 1 OUTSIDE WALL—VERTICAL BEADED SIDING

No. 1 OUTSIDE WALL: This style of wall is known as "Single Wall" and is usually ordered for Lakeside Cottages—it is "Cellu-Seal" insulator lined, when customer does not order any of the inside wall finishes specified on next page. The sections are made up with our regular siding nailed vertically to the framework of the sections. All the framework is planed smoothly so as to give a neat interior appearance.

The partitions on cottages ordered as above are single wall, that is, one side of the framework only is covered. Interior trim is already applied around the doors and windows with space allowed behind the trim for future interior wall. Ceiling panels are not included in any "single wall" type of house—they can be ordered extra, if desired.

For styles of Inside Walls—see next page.

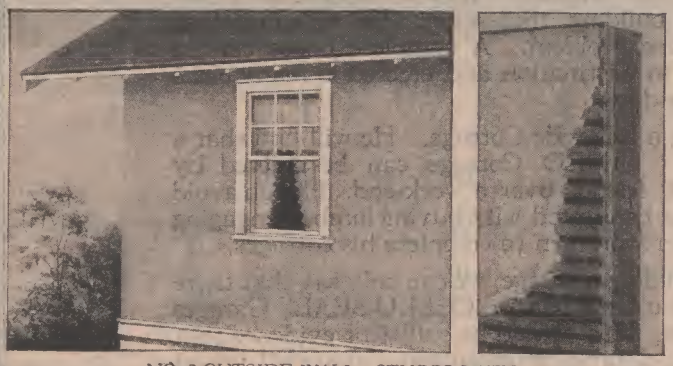
NO. 2 OUTSIDE WALL—DROP SIDING

No. 2 OUTSIDE WALL: An inside wall *must* be ordered with this style of Outside Wall. In ordering No. 2 Outside Wall, the sections are made up with whatever type of inside wall you select, already applied to the framework by us. This type of outside wall consists of "Drop" Siding, also known as "Novelty" Siding, Pattern No. 106 or No. 117; to be applied on the job.

The drop siding is not nailed to the exterior of the sections by us (this would necessitate cutting all to 4 foot lengths and show joints and ugly batten strips as in most other styles of sectional houses) but is furnished in long lengths including building paper and nails, and is to be applied on the job.

A house with this type of outside wall looks just like a regular built house. The siding running in continuous lengths ties the walls together even more and eliminates joints on the outside wall. "No-Joints Showing" is an exclusive feature in our buildings.

For styles of Inside Walls—see next page.

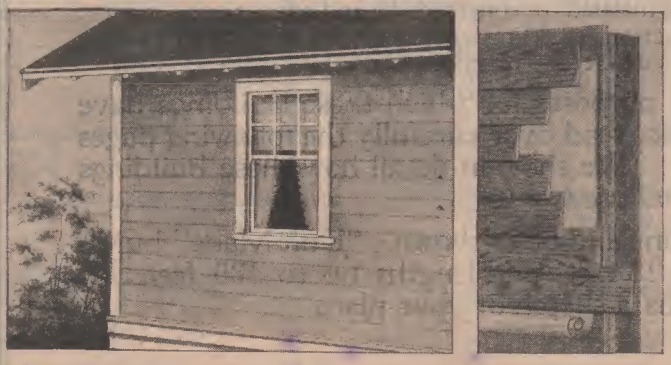


NO. 3 OUTSIDE WALL—STUCCO LATH

No. 3 OUTSIDE WALL: This wall consists of "Byrkit's" Patent Grooved Sheathing Lath for stucco, nailed on the sections here at the factory. Our price does not include stucco material as this is an extra on which we will gladly quote. No. 3 wall can be ordered without an inside wall.

When an Inside Wall finish is ordered, the sections furnished are made up with whatever kind of Inside Wall finish you select and openings are left in the outside wall to insert bolts so as to bolt the sections together. Long lengths of the Byrkit's stucco lath are furnished to fill these openings to further tie the wall together, also to break joints, reducing any chance of cracking the stucco.

For styles of Inside Walls—see next page.



NO. 4 OUTSIDE WALL—BEVELED SIDING OVER NO. 1 OUTSIDE WALL

No. 4 OUTSIDE WALL: This wall is the same as No. 1 Wall and in addition thereto we furnish building paper and Clear "Beveled" Siding (sometimes called "Weatherboarding") for the exterior, which is to be nailed on after the sections are bolted together. In extreme cold climates and when there is a preference for this style of siding, this wall is very desirable and, of course, does away entirely with the appearance of the building at any time having been sectional. "Cellu-Seal" not necessary or included.

We can also furnish Colonial Siding or Shingles in place of the beveled siding. Write for prices.

For styles of Inside Walls—see next page.

THREE TYPES OF PRACTICAL INSIDE WALL FINISHES

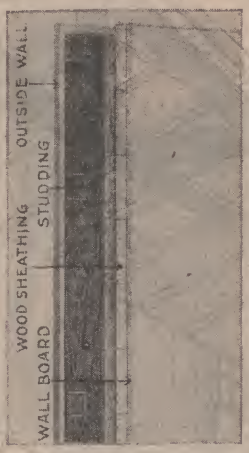
INSIDE WALL FINISH WHEN ORDERED IS APPLIED TO THE SECTION BY US BEFORE LEAVING FACTORY

INSIDE WALLS

STYLE "A" INSIDE WALL: This is a reinforced-with-wood wallboard inside wall finish, exclusively introduced by us. Vastly superior to anything that has yet been offered and is usually ordered by our customers.

The inside of the framework of the sections is first covered with wood sheathing, half thickness, and over this is nailed best quality heavy grade wallboard, Standard make. By our first applying wood sheathing to back up this wallboard, we entirely do away with the usual objection to wallboard, on account of danger of breakage from kicks and rough handling. You can readily see that a wall of this type is much stronger than ordinary wallboard nailed directly to the studs only. There are no patch pieces used around the windows or doors, for we cut the openings out of full size sheets. Partitions are manufactured in the same manner. Ceiling panels are likewise backed, but instead of sheathing we use nailing strips spaced 12" apart to hold them in place.

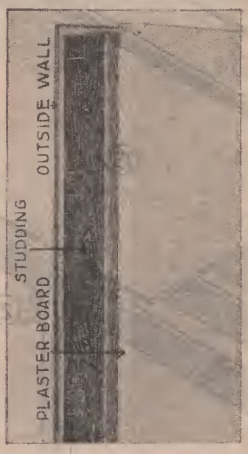
For styles of Outside Walls—see opposite page.

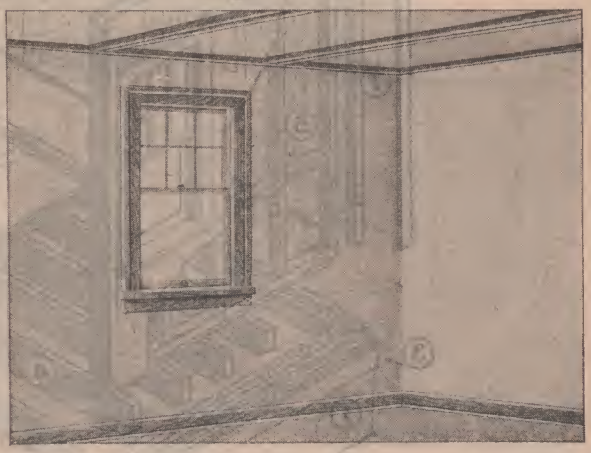


STYLE "A" INSIDE WALL—REINFORCED WALL BOARD

STYLE "AP" INSIDE WALL: This type of wall gets away from paneling the interior walls. It consists of Standard quality Gypsum Sheet Plasterboard, ⅜" thick applied by us to the sections. Joints between sections are to be filled with crack filler furnished by us. This makes a smooth wall, better, warmer and cleaner than plaster, and can be painted, calcimined or papered. Ceiling panels are made up with wallboard same as Style "A" wall described above.

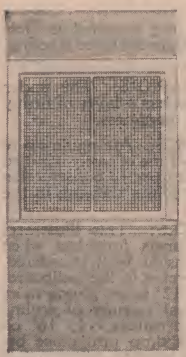
For styles of Outside Walls—see opposite page.



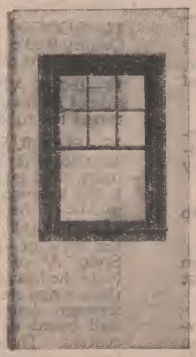


STYLE "AP" INSIDE WALL—PLASTER BOARD

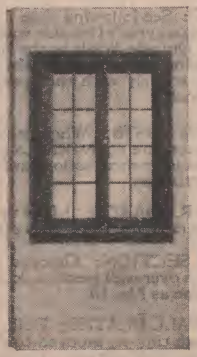
THESE ARE TYPICAL SECTIONS JUST AS THEY LEAVE THE FACTORY



Outside View
Porch Screen Section

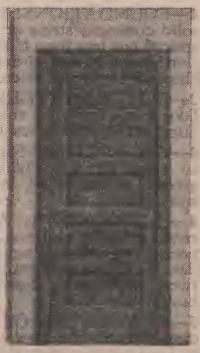


Inside View
Colonial Window Section



Inside View
French Window Section

Inside View
Front Door Section

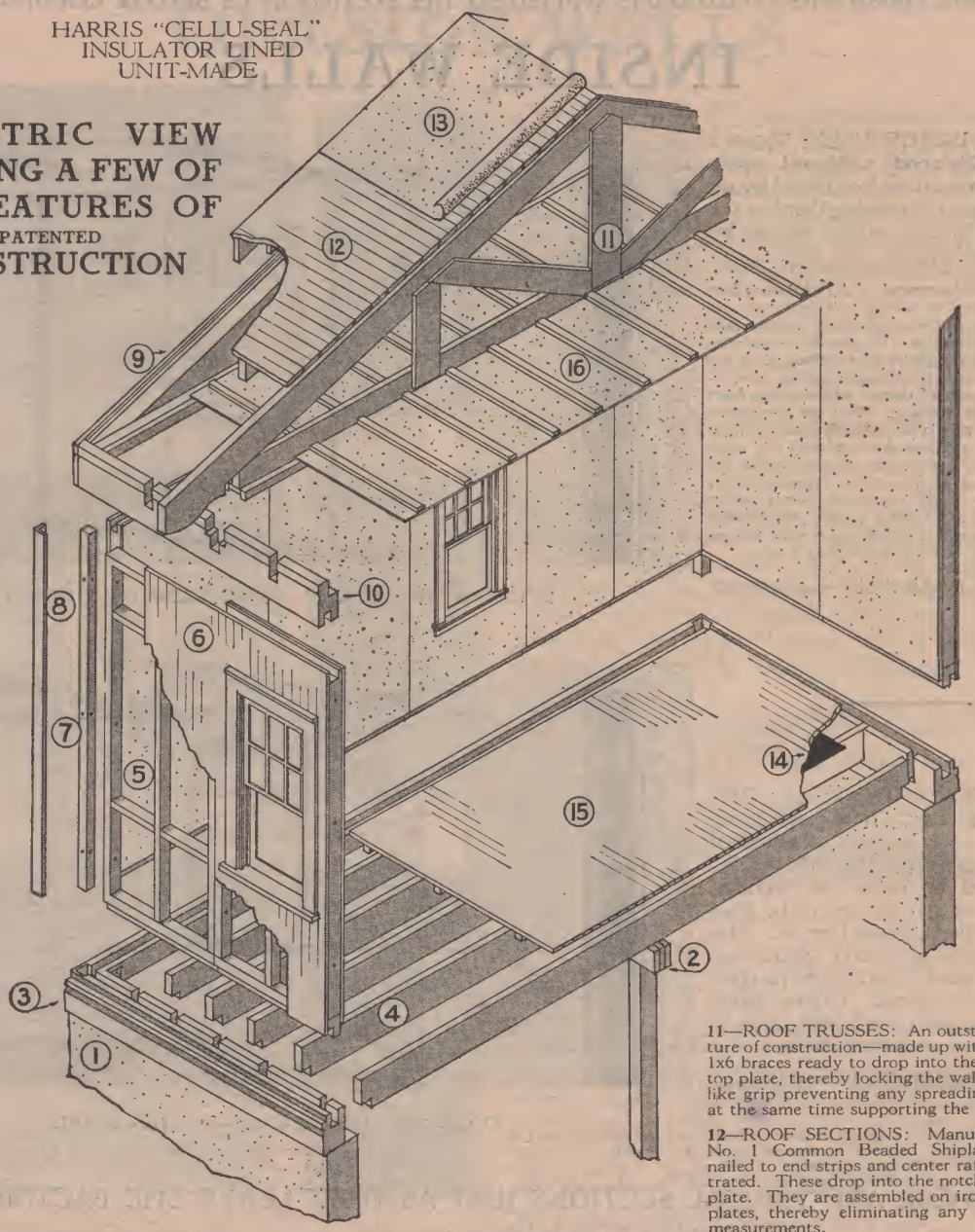


Inside View
Partition Door Section

Construction Details of Houses

HARRIS "CELLU-SEAL"
INSULATOR LINED
UNIT-MADE

ISOMETRIC VIEW SHOWING A FEW OF THE FEATURES OF PATENTED CONSTRUCTION



1—FOUNDATIONS: For Houses may be of solid concrete, stone or brick walls, or piers spaced not less than 6 ft. apart. No foundation material or girder posts included or charged for in our price.

2—CENTER GIRDER: Supporting the floor joists, built up equal to a solid timber. Supplied on all houses 16 ft. and wider.

3—WATERTIGHT SILLS: Built up equal to a 6x8 timber. Wall sections drop into groove as indicated, making it absolutely watertight.

4—FLOOR JOISTS: Are 2x8 spaced 16" on centers—fitted and notched to drop into the pockets in sills and supported by center girder. These are furnished in either full or two-piece lengths, depending upon width of building.

5—FRAMEWORK OF SECTIONS: Studding and cross braces are halved and mortised at joints giving more than necessary strength and keeping sections square and true.

6—SIDING: See following page for description of various types of outside walls. A feature of our Outside Walls is the absence of unsightly joints where units join together, doing away entirely with the appearance of being sectional.

7—CORNER POSTS: When bolted to sections at corners are equivalent to a 4x5 timber. No special corner sections are necessary in our construction.

8—CORNER BOARDS: Made up ready to nail in place covering the corner post.

9—GABLE SECTION: Grooved at bottom to drop down over wall sections, locking same in place, same as No. 10.

10—TOP WALL PLATES: Built up equivalent to a 4x6 timber, grooved to drop down over siding on wall sections as indicated. It has notches to receive the patented roof truss.

11—ROOF TRUSSES: An outstanding feature of construction—made up with 2x4's and 1x6 braces ready to drop into the notches in top plate, thereby locking the walls in a vise-like grip preventing any spreading of walls, at the same time supporting the roof.

12—ROOF SECTIONS: Manufactured of No. 1 Common Beaded Shiplap Boards, nailed to end strips and center rafter as illustrated. These drop into the notch in the top plate. They are assembled on iron clad templates, thereby eliminating any variance in measurements.

13—ROOFING: Roofing supplied is Best Quality Red or Green Slate Surfaced Roofing, with cement and nails.

14—INSULATING PAPERS: The under side of all floor sections has a layer of heavy tarred felt to keep out dampness.

15—FLOOR SECTIONS: Are made up of 1x4 Clear Fir or Yellow Pine in easily handled units. An exclusive feature of construction is the absence of any joints showing in the middle of the floor.

16—CEILING PANELS: This illustrates the type of ceiling panels furnished when Style "A" or "AP" Inside Wall is ordered. Note the heavy re-inforcing of the wallboard, these strips are spaced 12" apart giving more strength than the usual manner of nailing wall board up against rafters only 16" on centers. These panels drop into place between, and rest on the beamed ceiling nailed to the bottom of each truss.

Lakeside Cottages

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any one of the inside wall finishes offered and explained on previous pages.

The "SHOREWOOD"

"Cellu-Seal" Insulator Lined

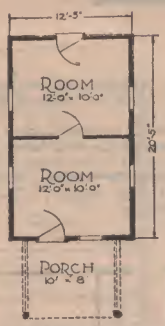
The "Shorewood" is the ideal cottage—economical, attractive, and simplicity itself when it comes to erection. While all "Cellu-Seal" Cottages are designed of uniform units and are easy to erect, it is hardly possible for any building to be erected easier than the "Shorewood."

A season's rent will frequently pay for its cost and the house is your own to do with as you please. Can be had in two rooms and larger, with and without porch as may be desired.

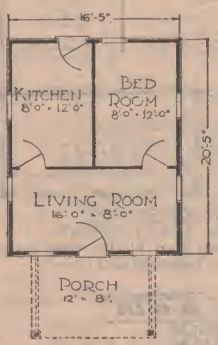
"Shorewood" Cottages are carried in stock, ready for immediate shipment with No. 1 Outside Wall, but can be had in any other style of outside and inside wall furnished. Porches, when ordered, are furnished by us all made up, ready to put together and consist of porch floor, porch roof, porch columns and guaranteed slate surfaced roofing, same as furnished for the houses.

Construction and material is identical in all Cottages, in quality, grade and manufacture. These buildings are known for their high quality material—no matter how large or small.

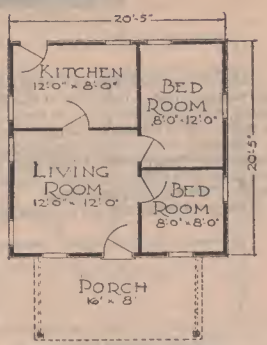
Other styles and sizes made to order at proportionally low prices—send sketch.



The "SHOREWOOD"
Plan No. 38-G-160. Size, 12'5"x20'5".
Two Rooms.
No. 1 Outside Wall, "CELLU-SEAL"
Insulator Lined.....$355.00
Porch, size 10'x8', extra..... 56.00



The "SHOREWOOD"
Plan No. 38-G-161. Size, 16'5"x20'5".
Three Rooms.
No. 1 Outside Wall, "CELLU-SEAL"
Insulator Lined.....$459.00
Porch, size 12'x8', extra..... 67.00



The "SHOREWOOD"
Plan No. 38-G-162. Size, 20'5"x20'5".
Four Rooms.
No. 1 Outside Wall, "CELLU-SEAL"
Insulator Lined.....$540.00
Porch, size 16'x8', extra..... 89.00

The "SHOREWOOD"
Plan No. 38-G-163. Size, 20'5"x24'5".
Four Rooms.
No. 1 Outside Wall, "CELLU-SEAL"
Insulator Lined.....$615.00
Porch, size 16'x8', extra..... 89.00

Lakeside Cottages

With Screened Porches and Sun Parlors

All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

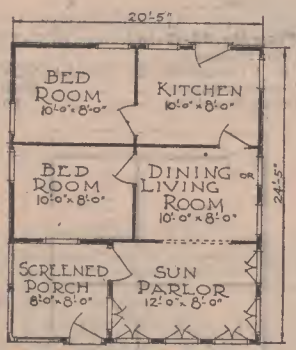
The "EDGEBROOK"
"CELLU-SEAL" Insulator Lined

Here is really an ideal cottage either for lakeside summer cottage or for permanent use. Because of the fact that the screened porch is under the same roof as the house, it is very simple to erect and when erected, means a good job, strong, pleasing in appearance, and practical in every respect.

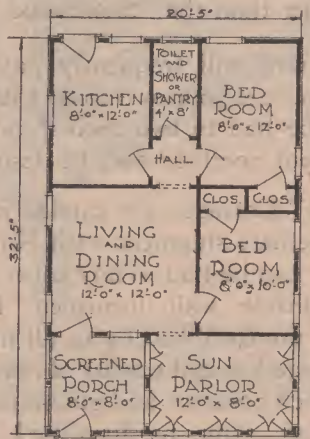
Instead of a screened porch across the entire front, a Sun Parlor and Screened Porch, both, have been provided. These cottages can be made real, comfortable permanent homes by selecting the proper type of inside wall. See pages preceding.

Our price includes galvanized wire screens and Combination Storm and Screen Door for porch. Screens for Sun Parlor windows are not included, but can be furnished at small additional cost. See last page of this section for prices.

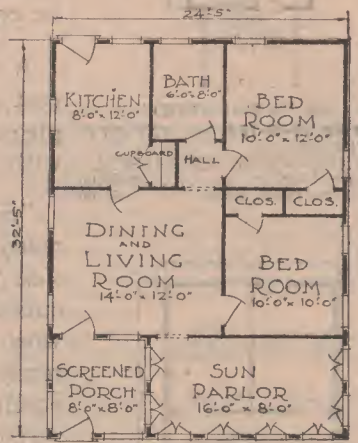
Although this cottage includes Sun Parlor and Screened Porch, all these items are a part of our regular unit system, and as far as erection is concerned, it is just as easy to build this house with these attractive conveniences as it would be to put up merely blank walls—not so with the old time hand construction by day labor, is it? "Sun Parlor," "Screened Porch," when you are building means big expense.



The "EDGEBROOK"
Plan No. ***38-G-231.*** Size 20'5"x24'5".
Four Rooms, Sun Parlor, Screened Living Porch.



The "EDGEBROOK"
Plan No. ***38-G-232.*** Size 20'5"x32'5".
Four Rooms, Sun Parlor, Toilet or Shower, Closets, and Screened Living Porch.



The "EDGEBROOK"
Plan No. ***38-G-233.*** Size 24'5"x32'5".
Six Rooms, including Sun Parlor and Screened Living Porch, Bath, Cupboard and Closets.

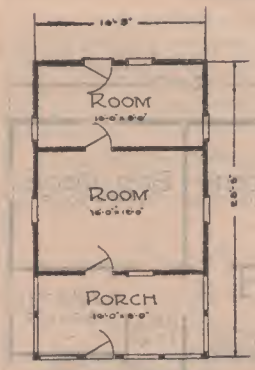
	Plan No. ***38-G-231***	Plan No. ***38-G-232***	Plan No. ***38-G-233***
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined	$709.00	$900.00	$1038.00
No. 2 Outside Wall	723.00	918.00	1058.00
No. 3 Outside Wall	688.00	873.00	1007.00
No. 4 Outside Wall	790.00	992.00	1141.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$147.00	$206.00	$245.00
Style "AP" Inside Wall	138.00	194.00	216.00

For detailed descriptions of Wall Finishes, see preceding pages.

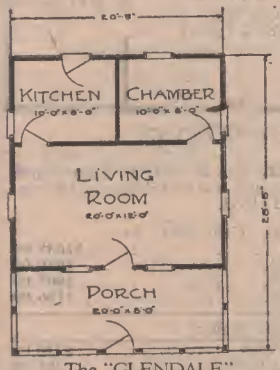
Lakeside Cottages

With Galvanized Screened Porches

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.



The "GLENDALE"
Plan No. ***38-G-172.*** Size 16'5"x 28'5". Two rooms and screened living porch.



The "GLENDALE"
Plan No. ***38-G-173.*** Size 20'5"x 28'5". Three rooms and screened living porch.

The "GLENDALE"

"Cellu-Seal" Insulator Lined

For real economy the "Glendale" series of cottages takes the lead. These charming cottages have really been planned with the idea of making the porch a room like the rest of the house, and still be a porch. The economy in these cottages is not only in price, but in labor to erect. The porch is under the same roof as the house, making it easy for inexperienced men to erect, and make a perfect job.

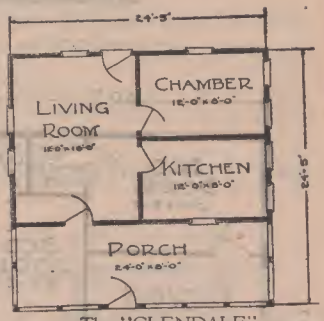
The galvanized porch screens and the combination screen and storm door are all included in our price. The porch sections are made up of interchangeable panels, same as the walls of the rest of the building.

Our price includes Wooden Ceiling Panels regularly furnished for the porch regardless of the kind of wall selected. This adds much to its appearance and helps keep the porch cooler and more comfortable.

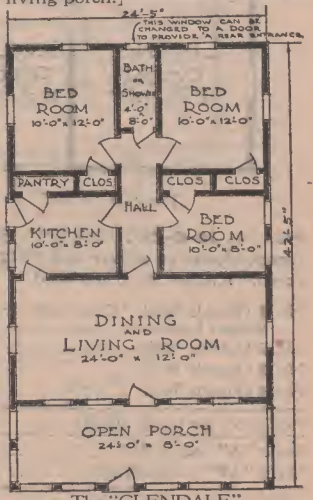
Easily understood blue prints to assist you in laying out your foundation, whether it be of posts or concrete, are furnished immediately on receipt of your order, so that when the cottage arrives—"PRESTO" and in a few days it is ready to occupy.

	Plan No. *38-G-172*	Plan No. *38-G-173*	Plan No. *38-G-174*	Plan No. *38-G-175*
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined...	$588.00	$697.00	$739.00	$1247.00
No. 2 Outside Wall.....	600.00	711.00	754.00	1270.00
No. 3 Outside Wall.....	570.00	676.00	717.00	1210.00
No. 4 Outside Wall.....	669.00	790.00	835.00	1372.00
Add extra for Inside Walls:				
Style "A" Inside Wall....	$115.00	$119.00	$141.00	$275.00
Style "AP" Inside Wall...	108.00	131.00	133.00	257.00

For detailed descriptions of Wall Finishes, see preceding pages.



The "GLENDALE"
Plan No. ***38-G-174.*** Size 24'5"x 24'5". Three rooms and screened living porch.



The "GLENDALE"
Plan No. ***38-G-175.*** Size 24'5"x 42'5". Five rooms, bath, pantry, closets and screened living porch.

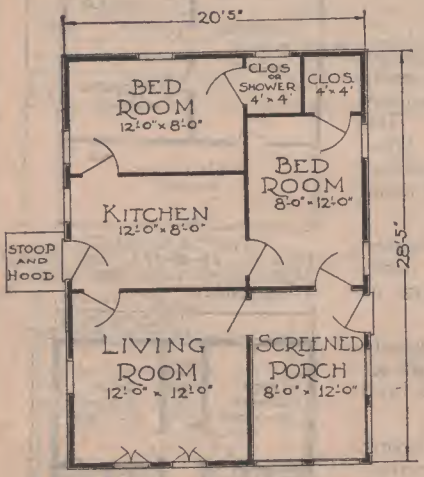
Lakeside Cottages

With Galvanized Screened Living Porches

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finishes offered and explained on previous pages.

The "GENEVA"

"Cellu-Seal" Insulator Lined



The "GENEVA"

Plan No. ***38-G-237.*** Size 20'5"x28'5". Four rooms, closets or shower and 8'x12' screened porch. Kitchen stoop and hood.

No. **1** Outside Wall, "Cellu-Seal" Insulator Lined	**$774.00**
No. **2** Outside Wall	**790.00**
No. **3** Outside Wall	**751.00**
No. **4** Outside Wall	**873.00**
Add extra for Inside Walls:	
Style **"A"** Inside Wall	**$165.00**
Style **"AP"** Inside Wall	**154.00**

For detailed description of Wall Finishes see preceding pages.

"Seizing the wonderful lamp, Aladdin rubbed it briskly.

"'Build me a palace instantly,' he cried, as the genie appeared. Bowing low, the latter was about to deliver the goods when Aladdin reconsidered.

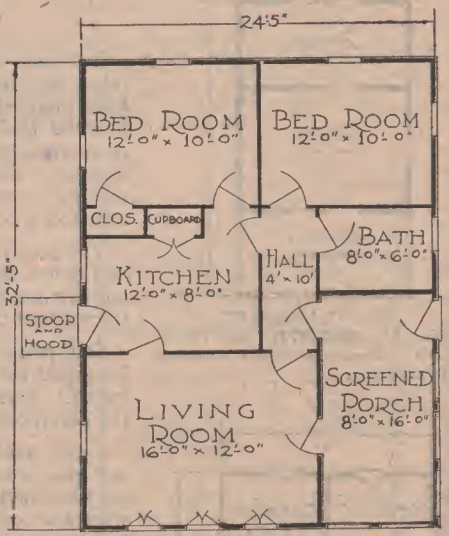
"'No, on second thought, don't,' he said. 'Bring me instead Six-Room Portable Bungalow No. 237, all parts plainly numbered, see Catalog. It will be easier to put it up than to rub the lamp.'"

Almost as true as the mythical story above, "PRESTO-UP" Cottages are so completely fabricated at our modern factory that there is very little left for you to do. You don't have to follow complicated blue prints—merely use common sense; a hammer, wrench, level and square, and follow directions, and your cottage can go up in "jig" time.

The screened living porch on this house is regularly furnished with wooden ceiling panels overhead regardless of the type of inside or outside wall you may specify on your order. Galvanized wire porch screens and screen door are included in our price.

In Plan No. 237 one of the closets can be changed to a shower and by substituting an outside door, instead of the window, you won't have to walk through the house when you come from the beach.

Plan No. 238 provides a good size bathroom and a larger screened porch. The hall gives access to the right hand bedroom without going through the rest of the cottage, enabling you to use this room for renting out or for guests.



The "GENEVA"

Plan No. ***38-G-238.*** Size 24'5"x32'5". Four rooms, Bath, Closet, Cupboard, and 8'x16' Screened Porch. Kitchen Stoop and Hood.

No. **1** Outside Wall, "Cellu-Seal" Insulator Lined	**$1038.00**
No. **2** Outside Wall	**1059.00**
No. **3** Outside Wall	**1007.00**
No. **4** Outside Wall	**1156.00**
Add Extra for Inside Walls:	
Style **"A"** Inside Wall	**$220.00**
Style **"AP"** Inside Wall	**201.00**

For detailed description of Wall Finishes see preceding pages.

Harris "Cellu-Seal" INSULATOR LINED UNIT MADE Permanent Bungalows

The "WINONA"

For needs of industrial corporations who provide better homes for their employees we have developed the cottages shown on this page. Of course, any design shown in this book is adaptable for the same purpose, but these cottages are planned for economy, not only in the original cost of the building but in the assembling.

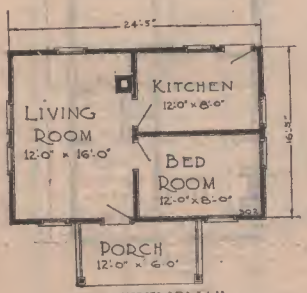
For example—Plan No. 302, three room cottage, can be erected by three inexperienced workmen in two days. Just think of the saving.

These Industrial Cottages have been purchased in large quantities by such well-known companies as the

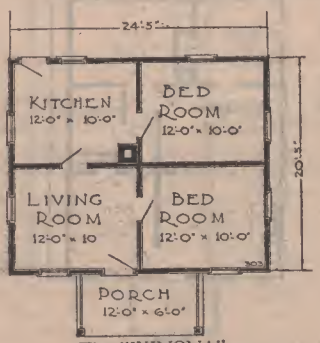
Illinois Steel Co.
Universal Portland Cement Co.
The Steel and Tube Co. of America.
Wayne Coal Co.
The Short Creek Coal Co.

Many different types of wall finishes can be used—for Industrial Cottages the combination of No. 1 Outside Wall and Style "A" or "B" Inside Wall is most desirable.

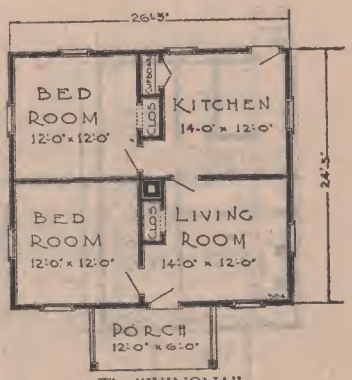
Other styles and sizes to order at proportionally low prices—send sketch



The "WINONA"
Plan No. ***38-G-302.*** Size 24'5"x16'5".
Three Rooms, Porch 12'x6'.



The "WINONA"
Plan No. ***38-G-303.*** Size 24'5"x20'5".
Four Rooms, Porch 12'x6'.



The "WINONA"
Plan No. ***38-G-304.*** Size 26'5"x24'5".
Four Rooms, Closets and Cupboard, Porch 12'x6'.

	Plan No. ***38-G-302***	Plan No. ***38-G-303***	Plan No. ***38-G-304***
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined	$554.00	$650.00	$801.00
No. 2 Outside Wall	565.00	663.00	817.00
No. 3 Outside Wall	537.00	631.00	777.00
No. 4 Outside Wall	626.00	731.00	899.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$117.00	$142.00	$186.00
Style "AP" Inside Wall	109.00	130.00	166.00

For detailed description of Wall Finishes, see preceding pages.

Harris "Cellu-Seal" INSULATOR LINED UNIT MADE Permanent Bungalows

The "BERKLEY"

Here is a truly charming California Bungalow and not only does this apply to the exterior but the floor plans as well—a point frequently lacking in the average bungalow.

Here are plans of five room houses with good size bath, and two large closets in each house, large enough to be used as dressing closets. The wide cased opening between the Dining Room and Living Room permits these two rooms to be used practically as one and gives a stretch of floor space 20 feet long.

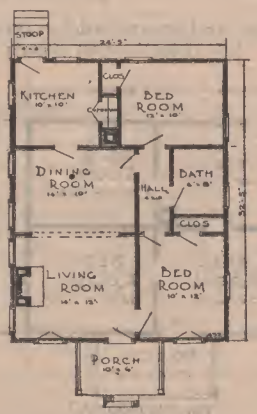
The front view with its handsome, bungalow door, Porch and flower boxes, all add to the attractive appearance of the house.

The exterior of this house is shown with shingles which can be furnished instead of the beveled siding specified for No. 4 outside wall.

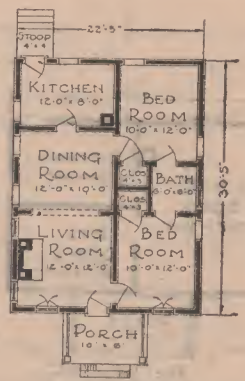
This is a simple house to erect. The sections go together easily as do all our unit made houses, the absence of complicated interior and porch arrangement simplifies the matter still more. Three men should have no difficulty in erecting this design above the foundation in four days.

Price includes porch as shown, also rear stoop and hood.

The "BERKLEY"
Plan No. ***38-G-430.*** Size 20'5"x28'5".
Five Rooms, Bath, Closets, Front Porch, Rear Stoop and Hood.



The "BERKLEY"
Plan No. ***38-G-432.*** Size 24'5"x32'5".
Five Rooms, Bath, Closets, Cupboard, Front Porch. Rear Stoop and Hood.



The "BERKLEY"
Plan No. ***38-G-433.*** Size 22'5"x30'5".
Five Rooms, Bath, Closets, Front Porch, Rear Stoop and Hood.

	Plan No. ***38-G-430***	Plan No. ***38-G-432***	Plan No. ***38-G-433***
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined	$ 798.00	$1011.00	$ 885.00
No. 2 Outside Wall	814.00	1031.00	903.00
No. 3 Outside Wall	774.00	980.00	859.00
No. 4 Outside Wall	888.00	1117.00	965.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$ 179.00	$ 231.00	$ 197.00
Style "AP" Inside Wall	165.00	208.00	183.00

For detailed description of Wall Finishes, see preceding pages.

Harris "Cellu-Seal" INSULATOR LINED UNIT MADE Permanent Bungalows

The "NORWOOD"

It is needless for us to go into any description of the two plans of the "Norwood" design shown below. They have been designed with the thought of utilizing every bit of space.

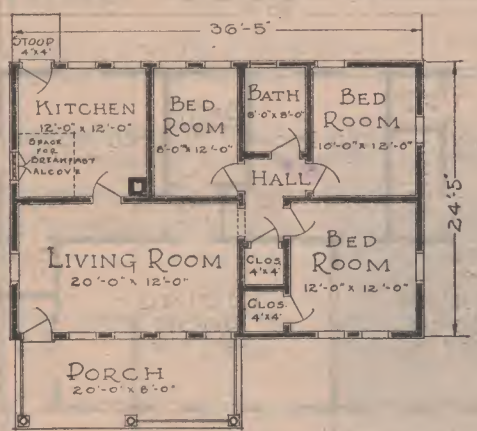
In Plan No. **450,** the bedroom adjoining the kitchen can be made into a dining room if three bedrooms are not needed. The kitchen of this plan is unusually large, providing a space for breakfast alcove if wanted. On page 43 we illustrate an outfit that can be used in this plan.

The larger size, Plan No. **451,** has every convenience that could be expected in a modern bungalow, plenty of closets are provided for and the cellar steps including stringers and treads cut, are all included in our price.

Both bathrooms have small half-size casement sash, that are hinged to swing in. This cottage is shown with No. 4 Outside Wall, but any other type of wall finish can be adapted.

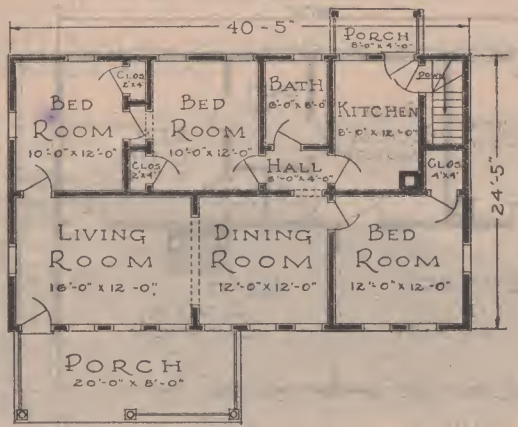
For a permanent bungalow, we recommend the combination of No. 4 Outside Wall and Style "AP" Inside Wall which is fully described in the preceding pages.

One handy carpenter with about four helpers should have no difficulty in assembling this house above the foundation in four or five days. When you compare this with the usual sixty days to complete a home, you can quickly see where the saving is made.



The "NORWOOD"

Plan No. ***38-G-450.*** Size, 36'5"x24'5".
Five rooms, Bath, Closets, Front Porch and Rear Stoop.



The "NORWOOD"

Plan No. ***38-G-451.*** Size, 40'5"x24'5".
Six rooms, Bath, Closets, Cellar Stairs, and Front and Rear Porches.

	Plan No. ***38-G-450***	Plan N. ***38-G-451***
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined	$1159.00	$1336.00
No. 2 Outside Wall	1183.00	1363.00
No. 3 Outside Wall	1124.00	1296.00
No. 4 Outside Wall	1268.00	1452.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$247.00	$282.00
Style "AP" Inside Wall	227.00	257.00

For detailed description of Wall Finishes, see preceding pages.

Harris "Cellu-Seal" INSULATOR LINED UNIT MADE Permanent Bungalows

The "ORLEANS"

You will marvel at this being a Sectional House. This hip-roof Bungalow is built under our unit made system and in addition to the regular hip-roof construction, used on an ordinary house, such as built under old methods, it has the patented Notch-Lock trusses that support the roof so strongly that it cannot sag with the heaviest snow load.

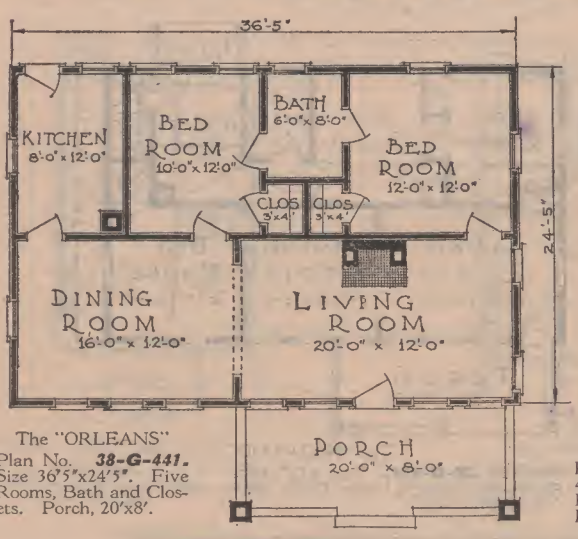
Hip Roofs with "Notch-Lock" trusses are much superior to ordinary hip-roof construction.

The porch and foundation, if a foundation is to be built, are intended to be of native stone, and if this is available it should be used so that the finished house will be just like the picture. Our price does not include cement porch floor or stone columns as illustrated. To add to the attractiveness of the bungalow these should be built. However, we can furnish wooden floor sections, columns, and railing at an extra cost.

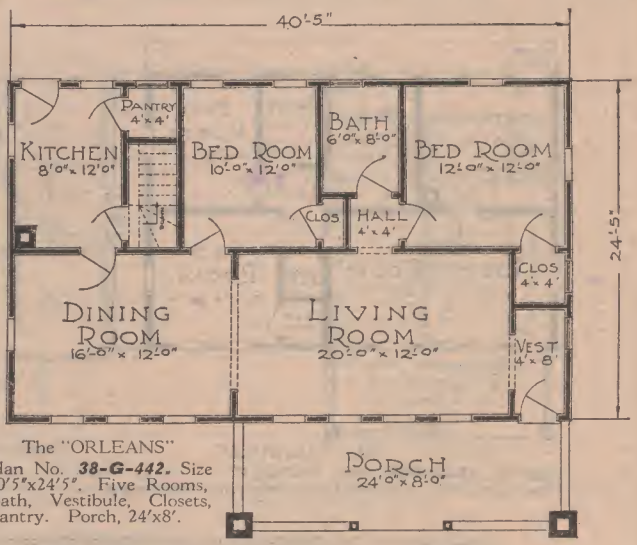
The floor plans are fine—large living room, dining room, pantry, kitchen, bathroom and two bedrooms. This ought to be Mrs. Newly wed's heart's desire, even if there are only sufficient funds on hand to order it in No. 1 outside wall. Improvements can always be made later when time and money are more plentiful.

This house should be ready to move into in four or five days after you receive the material if you have three men of good, ordinary intelligence to do the work.

Can't you imagine how easy it is to screen in this porch and what a comfortable place to spend time outdoors? On No. 442 two 8'x8' square wooden columns are supplied to hold up the porch beam. Material for inside cellar stairs on plan 442, consisting of stair stringers cut, step treads cut, but to be nailed together on the job is included in our price. 4'x4' rear stoop and hood as shown on the illustration is included in both plans.



The "ORLEANS"
Plan No. ***38-G-441.***
Size 36'5"x24'5". Five Rooms, Bath and Closets. Porch, 20'x8'.



The "ORLEANS"
Plan No. ***38-G-442.*** Size 40'5"x24'5". Five Rooms, Bath, Vestibule, Closets, Pantry. Porch, 24'x8'.

	Plan No. ***38-G-441***	Plan No. ***38-G-442***
No **1** Outside Wall, "Cellu-Seal" Insulator Lined	**$1077.00**	**$1236.00**
No. **2** Outside Wall	**1088.00**	**1251.00**
No. **3** Outside Wall	**1035.00**	**1199.00**
No. **4** Outside Wall	**1161.00**	**1337.00**
Add extra for Inside Walls:		
Style **"A"** Inside Wall	**$ 252.00**	**$ 271.00**
Style **"AP"** Inside Wall	**236.00**	**249.00**

Other styles and sizes to order at proportionately low prices.

Send sketch.

For detailed description of Wall Finishes, see preceding pages.

HARRIS "CELLU-SEAL" INSULATOR LINED UNIT MADE CHURCHES AND COMMUNITY BUILDINGS

The above is an actual photo of one of our Churches erected by the Norwood Park Baptist Church, Chicago. The Building Committee of this Church investigated other makes of sectional buildings before placing their order, and the excellent letter of recommendation received from them after the Chapel was completed further convinced us that these buildings are the solution to the church or community building problem for small communities.

Churches and community buildings are supplied with various kinds of inside and outside wall finishes as described on pages 106 and 107. Greater widths—26 ft. and 28 ft. can now be furnished—tell us what you prefer.

	Plan No. ***38-G-290*** Size 24'5"x36'5" Vestibule 12'x8'	Plan No. ***38-G-291*** Size 24'5"x48'5" Vestibule 16'x8'	Plan No. ***38-G-292*** Size 24'5"x60'5" Vestibule 16'x8'
No. 1 Outside Wall, "Cellu-Seal" Insulator Lined	$ 987.00	$1231.00	$1437.00
No. 2 Oustide Wall	1007.00	1256.00	1467.00
No. 3 Outside Wall	957.00	1194.00	1394.00
No. 4 Outside Wall	1111.00	1367.00	1602.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$218.00	$265.00	$305.00
Style "AP" Inside Wall	209.00	253.00	291.00

For detailed description of wall finishes, see preceding pages.

INTERIOR VIEW "VAULTED" or "ARCHED" CEILING—For Churches, Halls and Community Buildings, increasing ceiling height to 8'11".

HARRIS "CELLU-SEAL" INSULATOR LINED UNIT MADE STORE BUILDINGS

In rapidly growing communities a "HARRIS UNIT MADE" Store Building will enable you to get started until sufficient funds are available for the permanent building.

These buildings are furnished with 43"x48" double strength lights of glass for the front display windows, and are ready to be fitted into the openings in the sections.

A TYPICAL FLOOR PLAN offered in many sizes

Windows on the sides are half size, permitting shelves to be built underneath.

	Plan ***No. 38-G-295*** Size 16'5"x24'5"	Plan ***No. 38-G-296*** Size 20'5"x32'5"	Plan ***No. 38-G-297*** Size 24'5"x48'5"
No. 1 Outside Wall "Cellu-Seal" Insulator Lined	$446.00	$647.00	$993.00
No. 2 Outside Wall	455.00	660.00	1013.00
No. 3 Outside Wall	433.00	628.00	964.00
No. 4 Outside Wall	518.00	745.00	1131.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$ 95.00	$134.00	$206.00
Style "AP" Inside Wall	89.00	127.00	194.00

Stores can now also be furnished in 26 and 28 ft. widths.
For detailed description of wall finish, see preceding pages.

REFRESHMENT STANDS

REFRESHMENT STANDS
"CELLU-SEAL" INSULATOR LINED

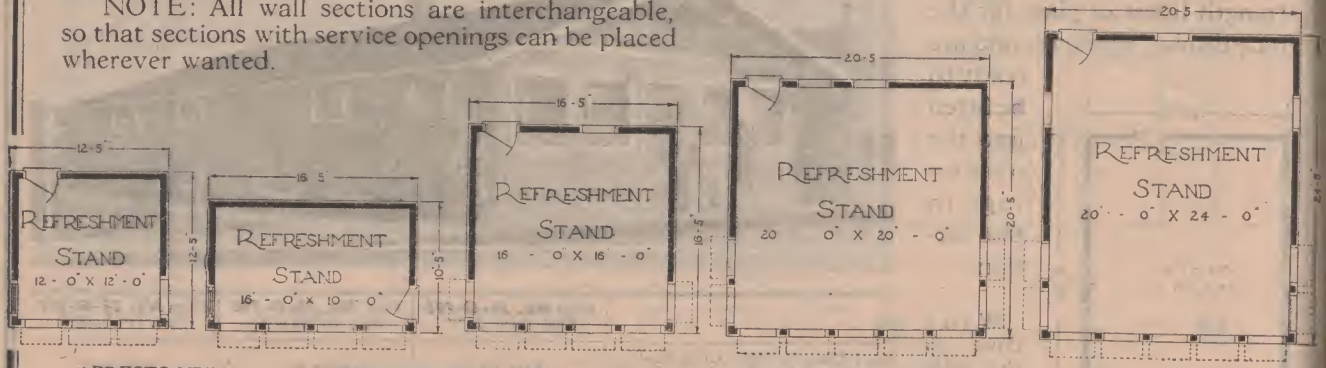
"PRESTO-UP" Highway Refreshment Stands are the most practical buildings ever built for that purpose. A "PRESTO-UP" Building can be taken down and re-erected as often as wanted, so that if the location does not prove successful—move it to some other place.

The illustration shows very clearly how the service openings are made. The canopy is supported by an iron bracket and drops down, while the shelf, also supported by brackets, folds up and the[illegible] meet and are fastened from the inside, showing a neatly paneled exterior wall when closed.

These buildings can be furnished with or without our regular "PRESTO-UP" Sectional Floors. Prices given below are for No. 1 Outside Wall only, but we will gladly quote on any type of Inside Wall if wanted. For description of other styles of in-and outside wall finishes see introductory pages of this section in this catalog.

FLOORS: Floors when ordered consist of 2x8 No. 1-YP joist spaced 16" on centers and regular floor section as described in specifications in preceding pages.

NOTE: All wall sections are interchangeable, so that sections with service openings can be placed wherever wanted.



"PRESTO-UP"
Refreshment Stand

Plan No **38-G-150,** size 12'5"x12'5". No. 1 Outside Wall "CELLU-SEAL" Insulator Lined, 3 service openings.

Without Floor....$180.00
Add for Floor..... 38.00

"PRESTO-UP"
Refreshment Stand

Plan No. **38-G-151,** size 16'5"x10'5". No. 1 Outside Wall "CELLU-SEAL" Insulator Lined, 4 service openings.

Without Floor....$196.00
Add for Floor..... 42.00

"PRESTO-UP"
Refreshment Stand

Plan No. **38-G-152,** size 16'5"x16'5". No. 1 Outside Wall "CELLU-SEAL" Insulator Lined, 6 service openings.

Without Floor....$260.00
Add for Floor..... 70.00

"PRESTO-UP"
Refreshment Stand

Plan No **38-G-153,** size 20'5"x20'5". No. 1 Outside Wall "CELLU-SEAL" Insulator Lined, 9 service openings.

Without Floor....$353.00
Add for Floor..... 109.00

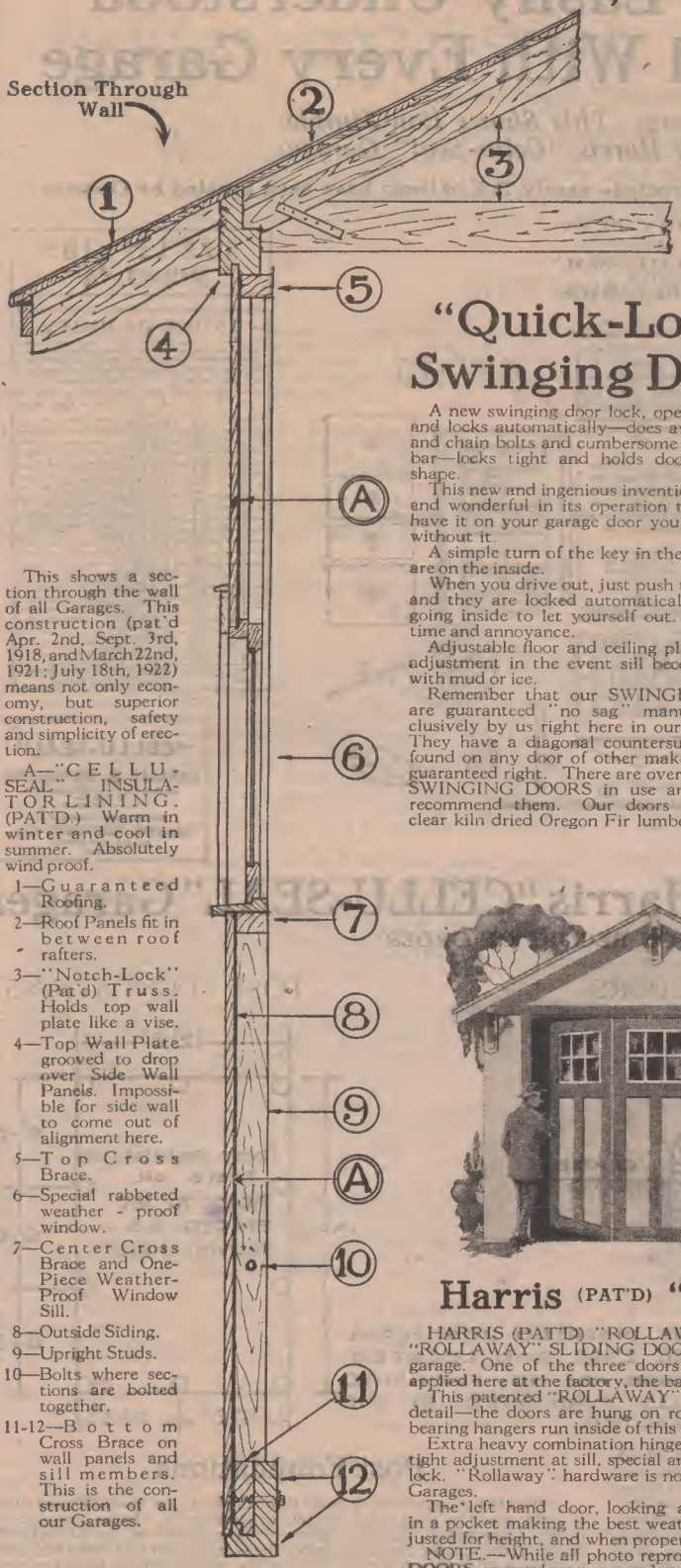
"PRESTO-UP"
Refreshment Stand

Plan No. **38-G-154,** size 20'5"x24'5". No. 1 Outside Wall "CELLU-SEAL" Insulator Lined, 9 service openings.

Without Floor....$413.00
Add for Floor..... 130.00

Harris "Cellu-Seal" Insulator Lined (PAT'D) Garages

Over 15,000 Stand Erected Today



This shows a section through the wall of all Garages. This construction (pat'd Apr. 2nd, Sept. 3rd, 1918, and March 22nd, 1921; July 18th, 1922) means not only economy, but superior construction, safety and simplicity of erection.

A—"CELLU-SEAL" INSULATOR LINING. (PAT'D.) Warm in winter and cool in summer. Absolutely wind proof.

1—Guaranteed Roofing.

2—Roof Panels fit in between roof rafters.

3—"Notch-Lock" (Pat'd) Truss. Holds top wall plate like a vise.

4—Top Wall Plate grooved to drop over Side Wall Panels. Impossible for side wall to come out of alignment here.

5—Top Cross Brace.

6—Special rabbeted weather - proof window.

7—Center Cross Brace and One-Piece Weather-Proof Window Sill.

8—Outside Siding.

9—Upright Studs.

10—Bolts where sections are bolted together.

11-12—Bottom Cross Brace on wall panels and sill members. This is the construction of all our Garages.

Your Choice of "Quick-Lock" Swinging Doors or Harris (PAT'D) "Rollaway" Sliding Doors

"Quick-Lock" Swinging Doors

A new swinging door lock, opens with a key and locks automatically—does away with foot and chain bolts and cumbersome inside locking bar—locks tight and holds doors in perfect shape.

This new and ingenious invention is so simple and wonderful in its operation that once you have it on your garage door you will never be without it.

A simple turn of the key in the lock and you are on the inside.

When you drive out, just push the doors shut and they are locked automatically. No more going inside to let yourself out. Saves much time and annoyance.

Adjustable floor and ceiling plates allow for adjustment in the event sill becomes jammed with mud or ice.

Remember that our SWINGING DOORS are guaranteed "no sag" manufactured exclusively by us right here in our own factory. They have a diagonal countersunk brace not found on any door of other makes. They are guaranteed right. There are over 30,000 of our SWINGING DOORS in use and we highly recommend them. Our doors are made of clear kiln dried Oregon Fir lumber.

"Quick-Lock" Swinging Doors are standard equipment and will be furnished on all Garages unless you specify the "Rollaway" Sliding Doors.

Harris (PAT'D) "Rollaway" Sliding Doors

HARRIS (PAT'D) "ROLLAWAY" DOORS are the result of many years of careful study in "ROLLAWAY" SLIDING DOORS. These doors slide around the corner on the inside of the garage. One of the three doors can be used as a service door. Ninety per cent hardware is applied here at the factory, the balance anyone can apply should he decide to do his own erection.

This patented "ROLLAWAY" Sliding Door hardware is brand new, and is complete to the last detail—the doors are hung on roller bearing wheels with special cup track and curves. Roller bearing hangers run inside of this cupped track and cannot jump out.

Extra heavy combination hinges and hangers, special floor guide with wedge permitting weather tight adjustment at sill, special anti-friction roller, special cylinder two-key combination latch and lock. "Rollaway" hardware is not sold except on our Harris Patented "Cellu-Seal" Insulator lined Garages.

The left hand door, looking at the inside of the Garage (see picture above) when closed fits in a pocket making the best weather tight equipment of its kind on the market. All is easily adjusted for height, and when properly adjusted, doors can be rolled to open or close with one finger.

NOTE.—While all photo reproductions of Garages in this catalog are shown with SWINGING DOORS, remember you can have your choice of either "QUICK LOCK" Swinging Doors as mentioned above or ROLLAWAY Doors all at the same price.

Be sure and specify which you want.

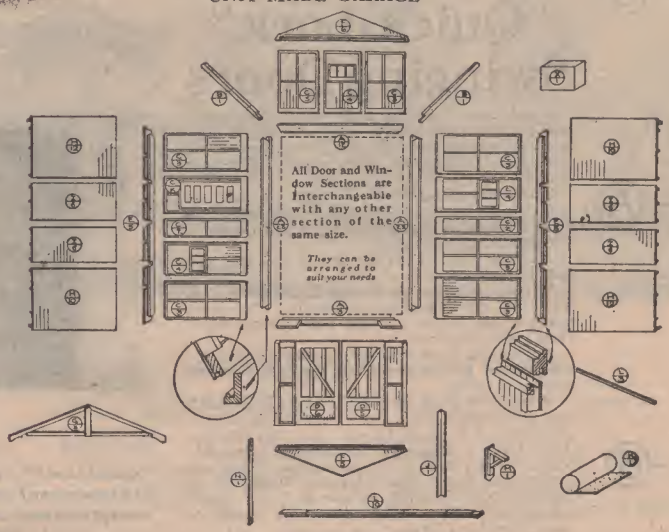
A Reproduction of the

Complete and Easily Understood Plans Furnished With Every Garage

You Can't Go Wrong. This Shows How Simple It Is to Erect Any Harris "Cellu-Seal" Garage

Harris "CELLU-SEAL" Garages Are Easily Erected—nearly 75% of them have been Erected by Owners

ERECTION PLAN
of
HARRIS "CELLU-SEAL"
PATENTED
UNIT MADE GARAGE

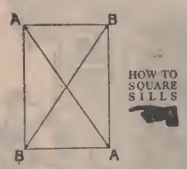


SIZE 12'6" x 18'6"
MODEL "A"

INDEX OF UNITS

NOTE. If units are used in alphabetical order, as listed below, considerable time will be saved in erecting this Garage

No. of Units	Unit No.	DESCRIPTION
1	X-1	Box Bolts, Foot & Chain Bolts, Nails, etc.
1	A-3	Front Sill
1	A-12	Rear Sill
2	A-23	Side Sills
2	B-1	Corner Posts
2	C-2	2 ft. Plain Wall Sections
7	C-3	4 ft. Plain Wall Sections
3	C-4	4 ft. Sash Window Sections
1	C-6	4 ft. Plain Side Door Section
1	D-5	Right Hand Garage Door Section
1	D-6	Left Hand Garage Door Section
2	E-5	Top Wall Plates
1	F-5	Front Gable
1	F-6	Rear Gable
3	G-3	Roof Trusses
2	H-10	End Roof Sections
2	H-12	End Roof Sections
4	I-6	Center Roof Sections
4	J-1	Corner Boards
4	K-1	Rolls Roofing
4	L-3	End Eave Strips
45 L. ft.	L-16	Side Eave Strips
6	M-1	Brackets & Backs
1 pc.	N-1	Siding—Extra—in case of damage
1 pair		"Presto-Up" Door Holders



HOW TO SQUARE SILLS

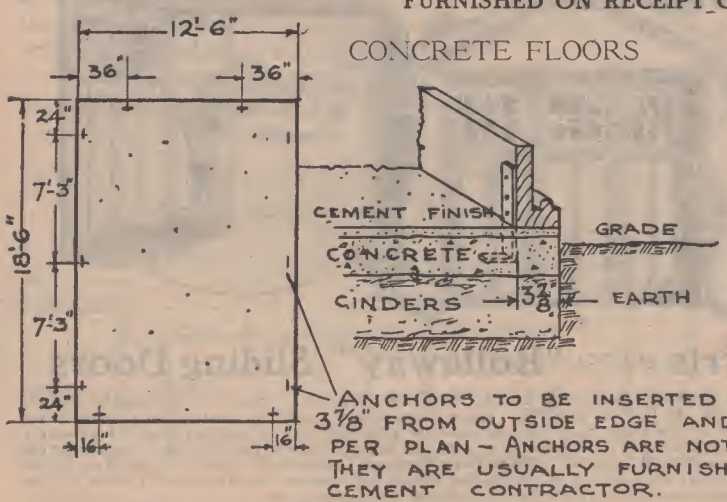
It is easy to square sills. To square your foundation and sills, take two of the 1x3 side eave strips — tack them together to make one long stick (or a tape line will do). To square the sills, measure from "A" to "A" and "B" to "B." When these two distances are equal the sills are square.

"CELLU-SEAL"
GARAGES & BUNGALOWS
PATENTED APRIL 2, 1918—SEPTEMBER 3, 1918
MARCH 22, 1921
OTHER PATENTS PENDING
MANUFACTURED EXCLUSIVELY BY
HARRIS BROTHERS CO.
35th AND IRON STREETS
CHICAGO

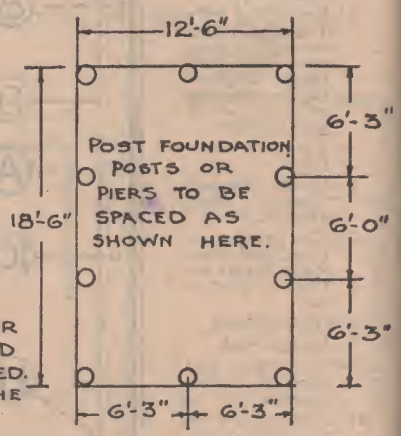
Foundation Plans for Harris "CELLU-SEAL" Garages

FURNISHED ON RECEIPT OF ORDER

CONCRETE FLOORS



POST FOUNDATIONS



IN BUILDING concrete floors, the plan shown above should be adhered to carefully. We have found the most practical and economical method of fastening the garage sills to the concrete floor is by means of iron straps, as illustrated. Be sure and see that the outside measurement of your foundation is the same size as the garage. As you will note above we are taking the 12'6"x18'6" as an example and the outside measurement of the concrete floor is also 12'6"x18'6". The iron strap anchors, if placed according to the measurements given, will come flush with the inside of the garage sills and can be spiked or fastened to the sills with lag screws.

Post Foundations

When the garage is set on cedar posts or piers, it is recommended that 6" cedar posts be used or 6" concrete or stone piers. These piers are to be set according to the plan above. For example on the 12'6"x18'6" building, the outside measurement of the piers should be 12'6"x18'6" and to be spaced as shown above. Sills of the garage can be spiked to the posts or anchored with iron straps. Where the ground is level it is not necessary that the posts be set more than 2 or 2½ feet into the ground.

SPECIFICATIONS OF MATERIAL AND CONSTRUCTION

COVERING THE MANUFACTURE OF

HARRIS "CELLU-SEAL" PATENTED UNIT-MADE PERMANENT GARAGES

"CELLU-SEAL" Insulator Lined

WE CANNOT urge you too strongly to read every word of the following specifications. It gives you a clear and complete insight into the many exceptional qualities both in material and method of construction used in the manufacture of our Patented Buildings. It is a pleasure to be able to print such excellent specifications; there is nothing to hide and many good things to show and that is why we do not hesitate to give you full information on the subject.

SPECIFICATIONS

FOUNDATION SILLS of our Garages are equivalent to practically a 4x8 timber when the wall sections are in place. They are made of strong, straight, selected No. 1 grade Southern Pine. They form a lock joint, holding the wall sections permanently in place, making it easy for one man to put the sections in place himself.

CORNER POSTS: Corner posts are interchangeable like the sections and when in place give a corner timber construction practically equivalent to a 4x5 timber. Our system eliminates special corner sections.

OUTSIDE WALLS: The outside walls consist of "sections" or panels made up in one, two and four foot widths. All wall sections are interchangeable. These "sections" or panels are made up as follows:

SIDING: Clear kiln-dried Oregon Fir Siding, tongued and grooved, beaded on the outside, and beaded or planed smoothly on the inside, applied vertically. Manufactured from three-quarter-inch stock finished five-eighths inches.

"CELLU-SEAL" LINING: Our exclusive product. "Cellu-Seal" is an insulating wallboard, consisting of two heavy layers of tough fibre paper (Mullen test 175 pounds to the square inch) with an inner layer of corrugated paper, and sealed by our own special machinery, giving thousands upon thousands of wonderful insulating dead air cells with a consequent efficient insulation against cold in winter and heat in summer. With this new type of lining a Harris "CELLU-SEAL". Garage will be warmer in severe cold weather than any single wall garage, and, of course, cooler in summer, to say nothing of the enhanced beauty in its paneled appearance. "CELLU-SEAL" Insulated Walls are absolutely wind-proof and nearly a quarter of an inch thicker than on garages prior to 1925

STUDDING: The studding is No. 1 and better grade Southern Pine, surfaced four sides, average distance apart sixteen inches. They are used in pairs every four feet where bolted together, with an additional stud in between, making three studs to forty-eight inches of wall. The studding is two by three. Two by four is not necessary in our construction on account of the three interlocking cross braces, all of which are halved at joints, give more than the necessary strength and hold the sections square and true.

CROSS BRACES: There are two horizontal or cross braces of two by three inches which are secured to the studs at the top and center, one 2x6 at the bottom of the section, by halved joints, nailed with cement-coated nails. The inside of the panels show a neat symmetrical distribution of framing.

TOP WALL PLATES: Fir and Yellow Pine built up equivalent to practically a four by six timber. This plate has a groove in it that drops right down over the siding on the wall sections and holds it in a vise-like grip, keeping the walls in alignment.

ROOF TRUSSES: Manufactured of No. 1 and better grade Yellow Pine, two by fours with one by six scientific braces, reinforced with iron straps and made so as to form a notch-lock that drops into the top wall plate and holds the entire building in a firm grip. These patented trusses not only make a roof much superior to any other on the market, but make it a simple matter for any amateur to erect and make a good job of it.

ROOF SECTIONS: Are manufactured of No. 1 quality Southern Pine Ship Lap. Beaded on the under side to give a neat and finished appearance. Roof sections are made so they will easily drop in place between the trusses, and have additional rafters on them to add still more strength.

FRONT DOORS: "No-Sag" "QUICK-LOCK" front doors are furnished with every garage. These doors are our own exclusive design and manufactured only by us. Guaranteed not to sag. See page 119.

ROLLAWAY SLIDING DOOR: Brand new! Our own patented hardware. Best on market. They roll away — around on the inside — just out. See page 119.

SIDE DOORS: Side door, of course, comes to you already in the section with hardware all on and you can place this section wherever it is most convenient to your individual requirements. The side door is either plain or glazed, depending upon the model of the garage you purchase.

WINDOWS: The window sash as shown in Models "A" and "C" are regular three-light sash, making the entire window 34" wide by 21" high. This window slides up in a grooved slide. The bottom of the sash is specially rabbeted as is also the sill and when closed makes a dust and storm proof job. When the window is raised it rests upon a ledge provided for that purpose.

On Models "B," "E" and "G" we use our regular Harris "CELLU-SEAL" House windows, the size of which is 28"x46" overall. There are two sash to the windows, one above and one below, the one above being divided into six lights making it very attractive. Windows are equipped with special tension and anti-rattle springs, to permit raising and lowering window to any position. Sash lock and lift attached.

PAINT: Garages come to you painted, one good heavy coat of outside paint, stock color medium gray for the body, white trim and sash. Our stock color is such that it will take almost any finishing coat.

ROOFING: Roofing supplied is best quality Red or Green Slate surfaced Roofing. Guaranteed first quality standard weight and manufacture Roofing. Sufficient nails, cement and complete instructions are included with each roll, showing the proper way to apply the roofing. Individual, four-in-one Slab Shingles or roofing stamped like shingles can be had at an extra cost Prices upon application.

HEIGHT: The height of wall to plate on all Garages is 8'.

Height overall on all models is as follows:

On Garages 9'-6" wide—height to highest point of roof, 10'- 7½".
On Garages 10'-6" wide—height to highest point of roof, 10'-10".
On Garages 12'-6" wide—height to highest point of roof, 11'- 3½".
On Garages 16'-6" wide—height to highest point of roof, 12'- 2½".
On Garages 18'-6" wide—height to highest point of roof, 12'- 9".
On Garages 20'-6" wide—height to highest point of roof, 13'- 3".

EVES OVERHANG: In figuring the amount of space overall required for a Garage, including the overhang eaves, add 3 ft. to the width of the Garage, also 3 ft. to the length. For example, a 10'6"x16'6" Garage—the space needed will, approximately, be 13'6"x19'6".

HARDWARE: The hardware we furnish, consists of the following:

CYLINDER LOCK: Genuine 3-Key YALE cylinder latch furnished for service door.

HINGES: Special fancy japanned 10" strap by 2½"x7" butt, extra heavy T hinges with No. 14 japanned screws. Hinges are already applied to doors.

DOOR HOLDERS: The greatest convenience of the age. They hold the large doors in place, when open.

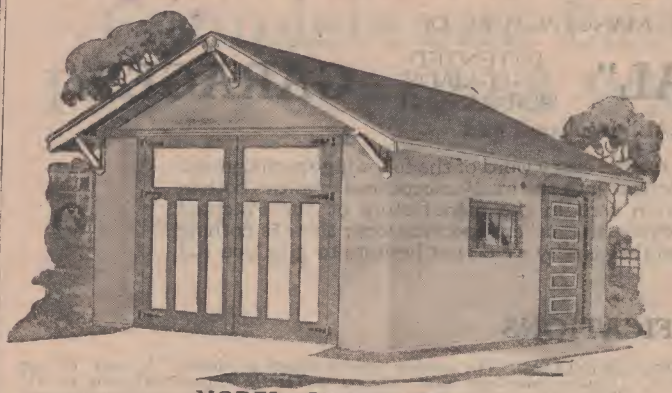
DOOR HANDLES: For each pair of auto doors and service door.

DIRECTIONS: Directions are furnished with every Garage. They are hardly necessary. The construction is so clear that the method of bolting the garage practically suggests itself. See reproduction of direction plans in this catalog.

FOUNDATION: See page 193 of catalog for further details. Foundation must be level and square. This is imperative. Garage can be set directly on the earth, or cinders, or posts, or piers, of brick, stone or concrete, or concrete foundation walls, and when placing same bear in mind that the outside measurements of our foundation sills are the same as the size given for the Garage, for instance, if you buy a 12'-6" x 16'-6" Garage and build a concrete foundation, see that the outside of same is exactly 12'-6"x16'-6" and the sills of our building will then fit down upon it perfectly. The same holds good for piers or posts unless you want to have them extend out beyond the sills of the building.

PATENTS: Various new and improved features of our buildings are patented—April 2nd, 1918, Sept. 3rd, 1918, March 22nd, 1921, July 18th, 1922, other patents pending. The right is reserved to make changes in construction and material as improvements may necessitate.

Model "A" Harris "CELLU-SEAL" Single Garage



MODEL "A" Gable Roof
"CELLU-SEAL" Insulator Lined

We have endeavored to explain very carefully in the preceding pages the superior method of Harris "CELLU-SEAL" Garage construction as well as the excellent grades of material used.

Here we show an actual photograph of the Model "A" Garage that has been sold to 75 per cent of the Harris "CELLU-SEAL" Garage owners in the City of Chicago. There are no fancy, useless "frills" about this building, still it is far more attractive than most similar buildings built in the old fashioned saw and hammer method. Remember this, when a Harris "CELLU-SEAL" Garage is unloaded on your lot it is complete, there is no sawing or carpenter work to be done on the job, no "muss" around your yard. In six to eight hours you can easily erect one of these garages.

All Model "A" Single Garages are furnished with three sash windows, one service door, and a pair of large automobile doors as described under specifications on preceding pages. **Door and window sections are interchangeable and you can arrange them to suit your individual needs.**

All Harris "CELLU-SEAL" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for serv[illegible]oor, and "Quick Lock" for swinging doors or Harris "Rollaway" sli[illegible] door equipment. For description see page 118.

MODEL "A"—ONE CAR GARAGES

No.	SIZE Width Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-G-2	9'6"x14'6"	Three Sash—One Plain Service Door—Plain Auto Doors.	2400	$135.00
38-G-5	10'6"x16'6"	"	2700	152.00
38-G-6	10'6"x18'6"	"	3000	164.00
38-G-8	12'6"x16'6"	"	3100	166.00
38-G-9	12'6"x18'6"	"	3300	176.00
38-G-10	12'6"x20'6"	"	3600	189.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Model "A" Harris "CELLU-SEAL" Double Garage

Model "A" Double Garages are furnished in five different sizes. If you have sufficient room on your lot for a double garage it certainly is the best investment.

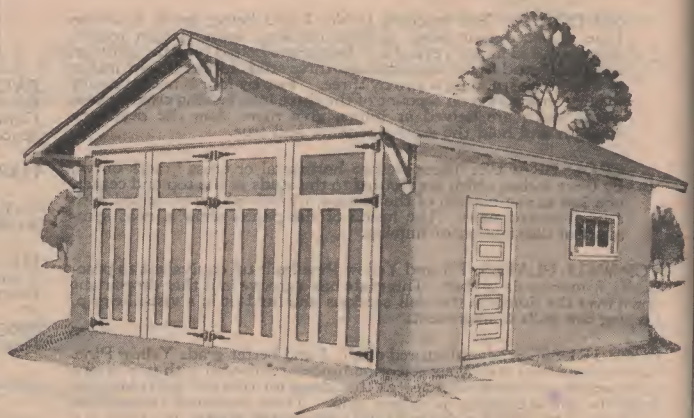
This model is furnished with five sash windows, one service door, and two pairs of automobile doors, as illustrated.

All door and window sections are interchangeable—put them where you want them.

All our Garages are painted one good heavy coat of stock color medium gray body paint, white trim and sash, and furnished with best quality Guaranteed Red or Green Slate Surfaced Roofing.

This is an actual photograph of a Model "A" Double Garage, a garage that anyone may well be proud to own, and you may be assured that the building will look just like this when erected.

All our Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, and "Quick Lock" for swinging doors or Harris "Rollaway" Sliding Door Equipment. For description see page 118.



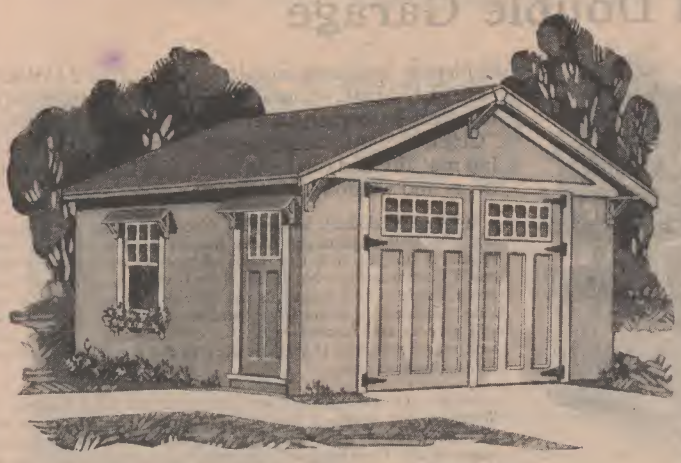
MODEL "A" Gable Roof
"CELLU-SEAL" Insulator Lined

MODEL "A"—TWO CAR GARAGES

No.	SIZE Width Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-G-12	16'6"x18'6"	Five Sash—One Service Door—Plain Auto Doors.	4300	$236.00
38-G-14	18'6"x18'6"	"	4600	250.00
38-G-15	18'6"x20'6"	"	4800	268.00
38-G-16	20'6"x20'6"	"	5100	279.00
38-G-18	20'6"x24'6"	"	6000	308.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Model "B" Harris "Cellu-Seal" Single Garage



MODEL "B"—Gable Roof
"CELLU-SEAL" Insulator Lined

Model "B" Garages are identical with the Model "A" Garages described in the preceding pages except that the large entrance doors are furnished with divided glass top lights instead of plain wood, and, also, the windows and service door are Colonial type.

Here is not only a real beauty, but, at the same time, a quality building thruout in construction, material, and appearance, which will add much to the value of any property, and be a constant pleasure to look upon.

On the Single Garages up to and including the 12'6" x 18'6" size, two windows are furnished. On the remaining size three windows are included. Extra windows can be had at a slight extra cost. "Hoods" or "Canopies", as they are sometimes called, are furnished for over all windows and entrance door. Only one flower box with brackets is included in our price, as usually one side of the building is placed against the fence or adjacent building where flower box would not be necessary. Additional flower boxes will be furnished at extra cost.

No.	SIZE Width	Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-G-41	9'6"	x14'6"	Two Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	2400	$153.00
38-G-44	10'6"	x16'6"	"	2700	171.00
38-G-45	10'6"	x18'6"	"	3000	183.00
38-G-46	12'6"	x16'6"	"	3100	185.00
38-G-47	12'6"	x18'6"	"	3300	195.00
38-G-48	12'6"	x20'6"	Three Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	3600	214.00

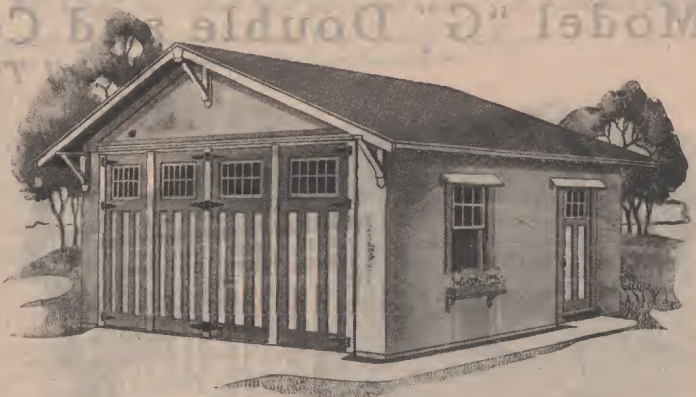
FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Model "B" Harris "Cellu-Seal" Double Garage

Model "B" Double Garages are likewise built of the same excellent grade of material and method of construction as the Model "A" Double Garages.

With the exception of the two last sizes listed below these garages have three Colonial windows, one service door, and two pairs of glazed front doors. The No. ***38-G-53*** size and the No. ***38-G-54*** size are furnished with four Colonial windows. Hoods are furnished as described above, also one flower box with brackets. Brackets and all trimmings as shown on this photograph are included in our price.

All Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door.



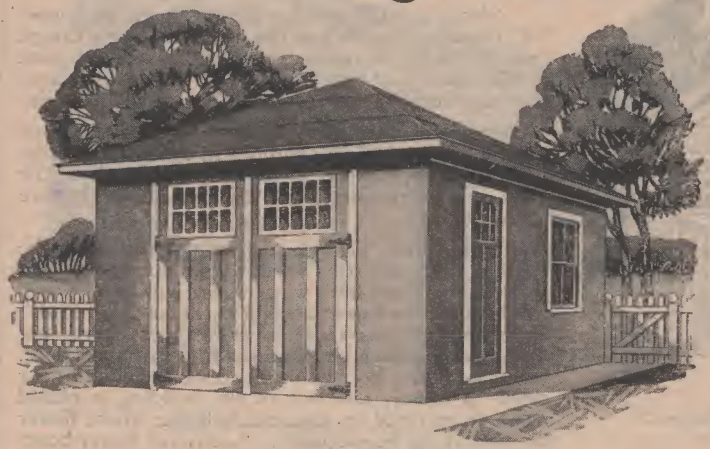
MODEL "B"—Gable Roof
"CELLU-SEAL" Insulator Lined

No.	SIZE Width	Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-G-50	16'6"	x18'6"	Three Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	4300	$263.00
38-G-51	18'6"	x18'6"	"	4600	277.00
38-G-52	18'6"	x20'6"	"	4800	295.00
38-G-53	20'6"	x20'6"	Four Colonial Windows (Doors Same)	5100	312.00
38-G-54	20'6"	x24'6"	Four Colonial Windows (Doors Same)	6000	341.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Model "D" Harris "CELLU-SEAL"

Single and Double Garage



Model "D"—Hip Roof
"CELLU-SEAL" Insulator Lined

Here is another example of a beautiful HARRIS "CELLU-SEAL" Garage. This is a Model "D" identical in construction with all other HARRIS "CELLU-SEAL" Garages in all details. It has a hip roof, divided top light doors, and Colonial service doors and windows.

It is indeed difficult to imagine that this is a sectional building, and that anyone can make just as good a job of it—the reason is simple—it is the result of carefully thought-out Patented Construction—No joints show—wind, weather and fool proof, made of best materials not only to look well, but to last long. Indeed there are few expensive hand-built garages that will give as satisfactory results as our garages. Yours will look equally as well if you use care in the erection and follow simple instructions.

Model "D" Garages are furnished with the same number of Windows and doors as Model "B" Garage. Our Garages are manufactured strictly according to specifications on preceding pages of this Catalog and include full door equipment such as Yale lock for service door and "Quick Lock" for Swinging Door or Harris "Rollaway" Sliding Door equipment. For description see Page 118.

Prices of One Car Model "D" Garages

No.	SIZE Wth.	SIZE Lgth.	No. of Doors and Windows	Approximate Wt., Lbs.	Cash Price
38-G-23	10'6"	x16'6"	Two Colonial Wds. —one Glazed Service Door—Glazed Auto Doors.	2700	**$177.00**
38-G-24	10'6"	x18'6"		3000	**189.00**
38-G-25	12'6"	x16'6"		3100	**191.00**
38-G-26	12'6"	x18'6"		3300	**203.00**
38-G-27	12'6"	x20'6"	Three Colonial Wds. (Doors Same)	3600	**219.00**

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

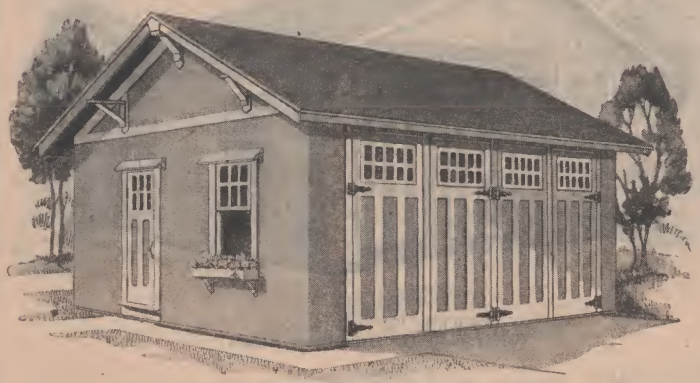
Prices of Two Car Model "D" Garages

No.	SIZE Wth.	SIZE Lgth.	No. of Doors and Windows	Approximate Wt., Lbs.	Cash Price
38-G-32	16'6"	x18'6"	Three Colonial Wds. —One Glazed Service Door—Glazed Auto Doors.	4300	**$272.00**
38-G-33	18'6"	x18'6"		4600	**287.00**
38-G-34	18'6"	x20'6"		4800	**305.00**
38-G-35	20'6"	x20'6"	Four Colonial Wds.—One Glazed Service Door — Glazed Auto Doors.	5100	**322.00**
38-G-36	20'6"	x24'6"		6000	**352.00**

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Model "G" Double and Community Garages

Colonial Type



Model "G"—Gable Roof
"CELLU-SEAL" Insulator Lined

Colonial Garages to match Colonial homes are more in demand due to the increasing popularity of Colonial homes.

This Model "G," Colonial style, Harris "CELLU-SEAL" Garage is identical in construction with the Model "B" Garage illustrated on the preceding pages except that the roof is turned the other way. A special reinforced top plate over the front doors is furnished adding considerable to the strength, also to the appearance of the Garage.

Model "G" Garages are furnished in Double sizes as listed below, also in three and four car sizes. One flower box is furnished. Hoods for all windows and service door are included.

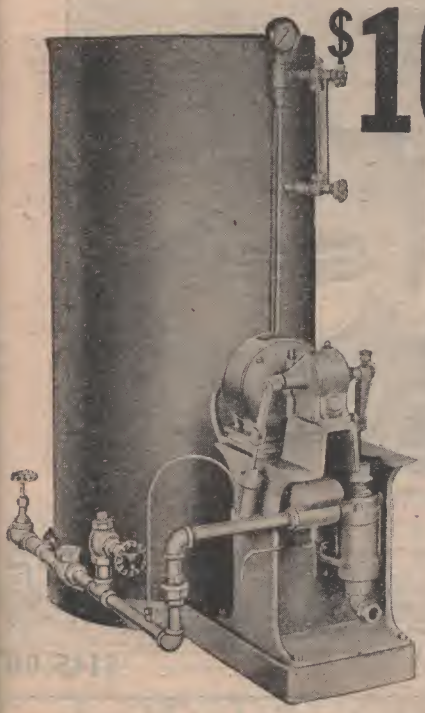
All our Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, and "Quick Lock" for Swinging Doors or Harris "Rollaway" Sliding Door equipment. For description see page 176.

No.	Capac.	SIZE Wdth.	SIZE Dpth.	No. of Doors and Windows	Approx. Weight	Cash Price
38-G-130	2 car	18'6"	x16'6"	Three Colonial Wds.—Glazed Service Door—Glazed Auto Doors	4300 lbs.	**$268.00**
38-G-131	2 car	18'6"	x18'6"	" " "	4600 lbs.	**284.00**
38-G-132	2 car	20'6"	x18'6"	" " "	4800 lbs.	**299.00**
38-G-133	2 car	20'6"	x20'6"	Four Colonial Windows. (Doors Same)	5160 lbs.	**315.00**
38-G-134	3 car	24'6"	x20'6"	Five Colonial Windows. (Doors Same)	6000 lbs.	**362.00**
38-G-135	4 car	32'6"	x20'6"	Seven Colonial Windows. (Doors Same)	8200 lbs.	**473.00**

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

Harris Electric Water Supply System

A Pressure Water Supply System—Automatic and Pneumatic—The Most Practical and Satisfactory—Guaranteed for 5 Years.



$100

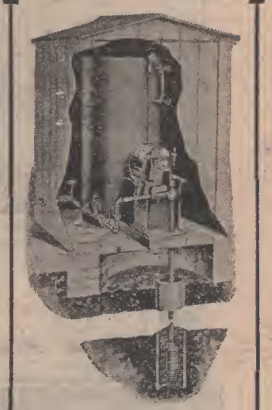
Here is a splendid, practical, guaranteed electric water supply system that will give you all the water you want all the year round without the least bit of attention. Starts and stops automatically, with positive safety. Simple—durable—noiseless. Operates at exceptionally low cost.

These ideal electric systems are compact and complete. Require but little floor space and can be quickly and easily set up. No assembling necessary—systems are shipped completely set up as illustrated.

Built solid and compact with the world-wide used "Kant-Leek" galvanized rust-proof tanks, sizes 22x36 inches, capacity 60 gallons. The single brass cylinder, self-priming pumps have direct motor-geared drive—a feature that insures perfect, smooth, silent operation—lasting and non-depreciating. Capacity, 100 gallons per hour. Has 1 inch pump stroke and constant water pressure of 18 to 30 pounds.

Furnished complete with high grade motor, geared direct to the pump. No troublesome belts—no complications—no frequent repairs. Operate from any electric circuit. **Just give phase, voltage and current you require, and we will send the right motor.**

Each Harris Electric System is guaranteed for 5 years. Should any parts prove defective within that time, they will be replaced free of charge.



Small illustration above shows outfit for deep wells, including Plunger Rod, Well Cylinder and Suction Pipe.

For Shallow Wells, Cisterns, Lake or River

5-G-2500. Complete Harris Electric Water Supply System for shallow wells, cisterns, lake or river. Furnished with ¼ H. P. electric motor, 1700 R. P. M. To be installed not higher than 20 feet above water level. Has two ¾ inch pipe connections. Price, complete as illustrated..... **$100.00**

If motor for 25 cycle circuit is required, add $5.00 to the price. Be sure to give phase, voltage and current.

For Deep Wells

5-G-2600. Complete Harris Electric Water Supply System for deep wells up to 50 feet, including plunger rod, well cylinder 4½ inches wide and suction pipe. Furnished with ½ H. P. electric motor, 1700 R. P. M.

Price, complete as shown in small illustration (frame box not included)..... **$150.00**

With Motors for 25 Cycle Circuit, $7.50 extra. Over 50 feet depth of well, add 50c per foot extra. No depth greater than 150 feet. Be sure to give phase, voltage and current.

Harris Septic Sewage Disposal Tanks

Safe—Effectual—Inexpensive. Sanitary—Odorless—Protects Your Water Supply. Used Wherever Running Water is Available. Anybody Can Install It.

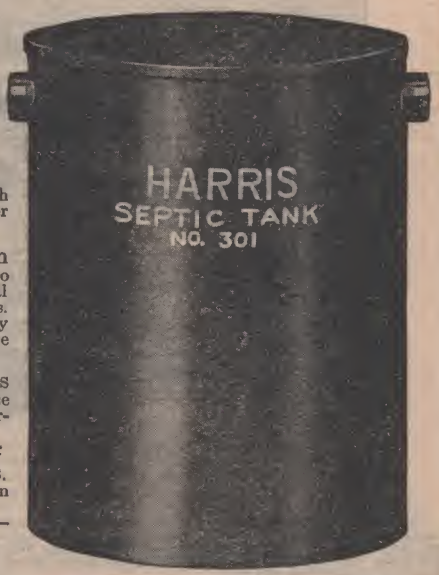
Sectional view showing simplicity and effectiveness of Harris Septic Tanks

$30 and up

The HARRIS SEPTIC TANK is adapted to all uses, city or rural, where running water is available. Ideal for homes, hotels, summer resorts, etc. By the natural process of bacterial action it provides a safe, yet effectual and inexpensive method of sewage disposal, as well as a positive protection of your water supply. HARRIS SEPTIC TANKS are easy to install, no skilled labor being required. Full instructions for installation furnished with each tank. After installation they require no further attention whatever.

HARRIS SEPTIC TANKS are made from the purest Copper-bearing iron obtainable. Ten to fourteen gauge metal is used, the gauge of the metal being increased as the capacity of the tank increases. All seams are carefully welded by experts, and every tank is given a thorough inspection before leaving the factory.

All surfaces are covered with several coats of tested Mineral Oil Preservative, applied under intense heat, protecting the tanks indefinitely against any corrosive action.

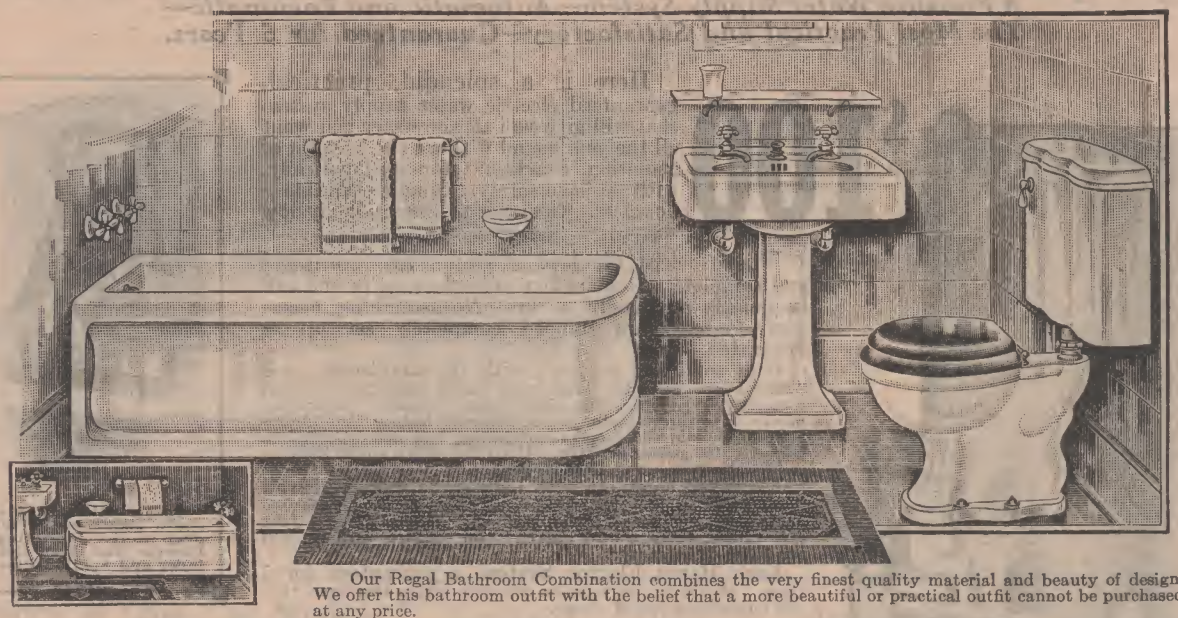


The No. 301 HARRIS SEPTIC TANK is the best family size tank.

Order No.	Size of Tank	Gauge	Total Capacity Gals.	Size Tile Connection	Weight	Capacity—Home Use—No. of Persons	Prices F.O.B. Warehouse in New York
5-G-300	30½″x48″	14	153	4″	165 lbs.	4- 7	**$ 30.00**
5-G-301	36″ x48″	14	212	4″	205 lbs.	6- 9	**34.00**
5-G-302	45″ x48″	14	331	4″	300 lbs.	8-12	**45.00**
5-G-303	46″ x60″	12	432	6″	382 lbs.	12-18	**65.00**
5-G-304	60″ x60″	12	735	6″	510 lbs.	20-30	**130.00**
5-G-305	72″ x60″	10	1058	6″	715 lbs.	30-42	**160.00**

Any of the above sizes may be used in series to increase the capacity.

Regal Bathroom Combination



Our Regal Bathroom Combination combines the very finest quality material and beauty of design. We offer this bathroom outfit with the belief that a more beautiful or practical outfit cannot be purchased at any price.

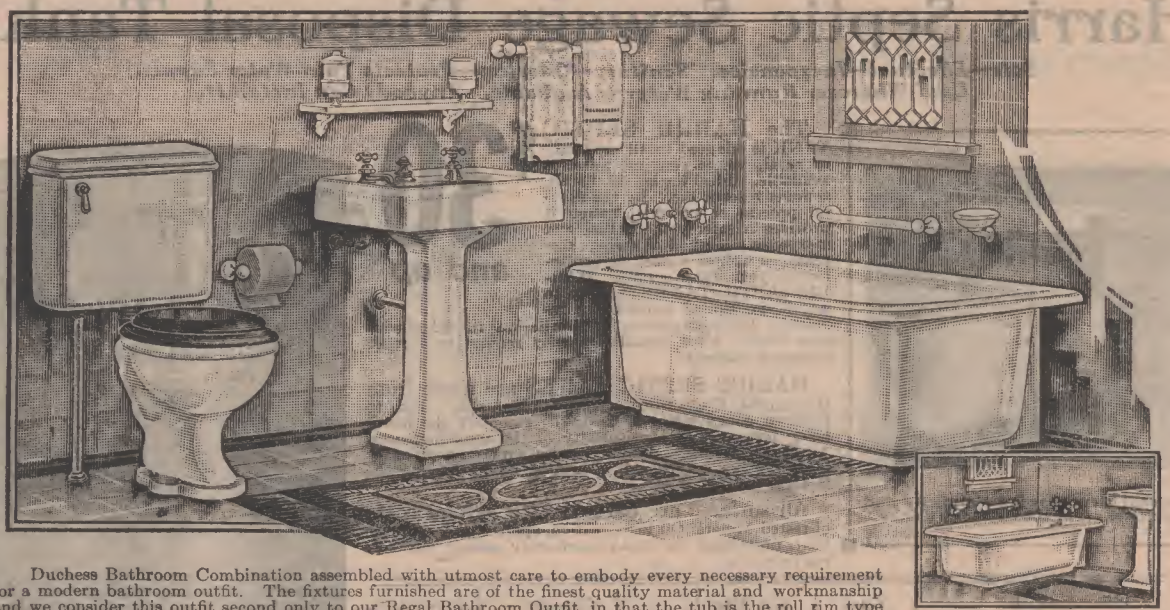
Pedestal lavatory designed with massive Colonial base and slab size 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman lifting waste and nickel-plated supply pipes, nickel-plated trap and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

The closet outfit is furnished with a white vitreous china tank, fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is deep apron cornered type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are of the concealed type built into the wall. The supply pipes and lifting waste are equipped with white china handles and escutcheons. The bath tub can be furnished for either right or left hand corner. Be sure to specify the style tub you desire when ordering this outfit.

5-G-1209. The Regal Bathroom Outfit, complete as described..... **$145.00**

Duchess Bathroom Combination



Duchess Bathroom Combination assembled with utmost care to embody every necessary requirement for a modern bathroom outfit. The fixtures furnished are of the finest quality material and workmanship and we consider this outfit second only to our Regal Bathroom Outfit, in that the tub is the roll rim type instead of the deep apron. With this exception, the outfit is of the same high quality as the Regal Combination.

Pedestal Lavatory designed with Massive Colonial Base and Slab — 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman Lifting Waste and nickel-plated supply pipes, nickel-plated traps and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

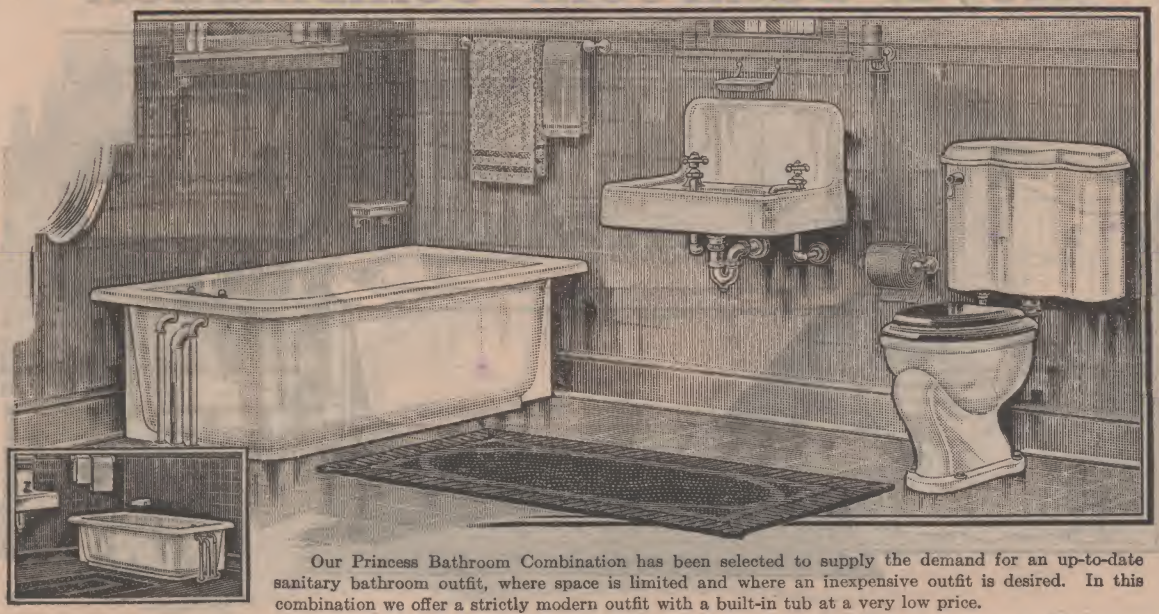
The closet outfit is furnished with a white vitreous closet tank fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out with white porcelain enamel. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are the concealed type built into the wall.

The supply pipes and lifting waste are equipped with white china handles and escutcheons. Tub can be furnished for either right or left corner. Be sure to specify style tub you desire when ordering the outfit.

5-G-1210. The Dutchess Bathroom Outfit, complete as described..... **$133.00**

Princess Bathroom Combination



Our Princess Bathroom Combination has been selected to supply the demand for an up-to-date sanitary bathroom outfit, where space is limited and where an inexpensive outfit is desired. In this combination we offer a strictly modern outfit with a built-in tub at a very low price.

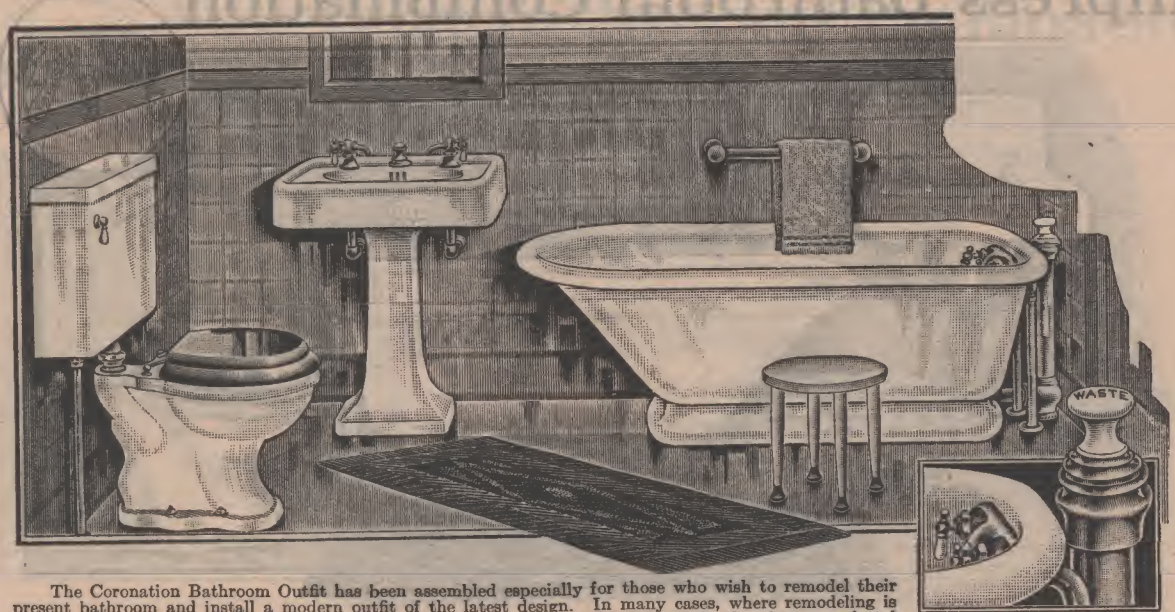
The lavatory is of Colonial design, straight front, deep apron type, size 18 x 24 inches. The fittings consist of nickel-plated faucets with crossed handles, indexed for hot and cold water, nickel-plated brass supply pipes to the wall and nickel-plated brass "P" trap.

The closet outfit includes a white vitreous china tank, fitted with compound ball cock, nickel-plated supply pipe and nickel-plated brass connecting ell. The bowl is the wash-down Syphon action type, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to bowl.

The tub is of the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray iron casting, enameled inside and out with white porcelain enamel. Back and one end of the tub finished into the wall and the base is finished into the floor. The fittings are of exposed type and consist of special nickel-plated brass connected waste and overflow with long extension "T," threaded to connect with 1½-inch iron pipe. Nickel-plated brass supply pipes and nickel-plated double bath cock with china handles, indexed for hot and cold water.

5-G-1214. The Princess Bathroom Outfit, complete as described..... **$95.00**

Coronation Bathroom Combination



The Coronation Bathroom Outfit has been assembled especially for those who wish to remodel their present bathroom and install a modern outfit of the latest design. In many cases, where remodeling is done, it is not practical to install built-in tubs. We have included with this outfit, therefore, a pedestal or base tub, enameled inside and over the rim, which, combined with the pedestal lavatory and syphon jet closet outfit, makes the Coronation a really wonderful bathroom combination.

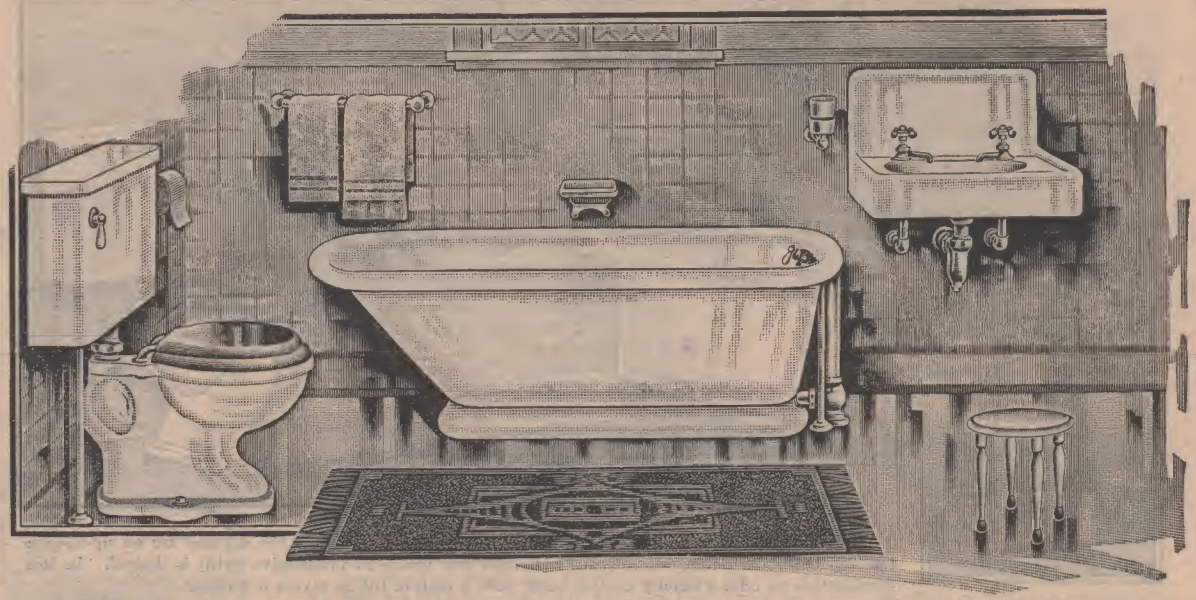
The Bath Tub is cast in one piece, and coated with white porcelain enamel inside and over the rim; it measures 5 ft. long, 30 in. wide, and is made with a 3-in. roll rim. Finest quality fittings are included with the tub, consisting of heavily nickel-plated brass ideal lifting waste, which does away with the troublesome chain and stopper; nickel-plated quick compression double bath cock, with white china handles, indexed for hot and cold water; nickel-plated supply pipes.

The Pedestal Lavatory, designed to match the tub is entirely covered with white porcelain enamel. Size of slab 20x24 inches, with oval bowl 12 x 15 inches and stands 31 inches high. It is fitted with nickel-plated Roman lifting waste, nickel-plated supply pipes, nickel-plated trap and nickel-plated faucets with white china handles indexed for hot and cold water.

The Closet Outfit is furnished with a white, vitreous china tank in mission style, and is fitted with compound elevated ball cock and nickel-plated supply pipe. Tank connects to bowl with nickel-plated 2-inch offset flush. The bowl is an improved Syphon Jet silent action type, made of vitreous earthenware and is fitted with a practically indestructible seat and cover, finished in highly polished mahogany. Nickel-plated bar hinges attach the seat direct to bowl.

5-G-325. The "Coronation" Bathroom outfit is furnished complete as described..... **$110.00**

Royal Bathroom Combination



Most prominent of all the desirable features of this combination is the massively designed bath tub with pedestal base. The tub sets flush all around on the floor and eliminates the old-fashioned leg base so difficult to clean under.

The pedestal base bath tub is coated on the inside and over the 3-inch roll rim with white porcelain enamel. Measures 5 feet long and 30 inches wide; fitted with nickel-plated double bath cock with handles indexed for hot and cold water. Nickel-plated supply pipes to floor. The closet outfit consists of a white vitreous earthenware tank fitted with heavy brass and copper interior trimmings. Perfect action.

Syphon jet silent action white vitreous earthenware bowl, highly polished. Finely finished seat and cover in mahogany; attaches to the bowl with nickel-plated bar hinges. The lavatory measures 18x24 inches. It is unusually attractive in design with 10-inch back. Fitted with compression faucets, indexed for hot and cold water. Nickel-plated supply pipes and "P" trap to wall.

5-G-74. Royal Bathroom combination, complete as described for iron pipe connections..... **$85.00**

Empress Bathroom Combination

This elegant outfit is designed for those who wish an extra fine bathroom equipment, neat of design and splendid in quality. The three pieces and all fittings to the last detail have been carefully chosen and embodied in a combination suited to the finest home.

The bath tub measures 5 feet long and 30 inches wide and is made with a 3-inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed "hot and cold"; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

The closet outfit is an improved low down design furnished with Syphon jet silent action white vitreous earthenware bowl. The mahogany finished seat and cover are attached with nickel-plated bar hinges. White porcelain China closet tank, fitted with best trimmings; perfect in action. Nickel-plated offset and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 18x24 inches with 10-inch back and "D" pattern bowl size 11x14 inches. Fitted with nickel-plated faucets with handles indexed "hot and cold." Nickel-plated supply pipes and "P" trap to wall.

5-G-580. Empress Bathroom combination complete as described for iron pipe connections..... **$75.00**

Shipped complete from Chicago warehouse.

Countess Bathroom Combination

This desirable bathroom outfit embodies all features of modern plumbing. It is offered to meet the demand for an outfit of very select quality and perfect design. Nothing has been spared in selecting all pieces and best fittings that could possibly be furnished at our big economical prices.

The bath tub furnished is 5 feet long and 30 inches wide; massive and well proportioned. Heavily coated on the inside and over the 3-inch roll rim with white porcelain enamel. Fitted with nickel-plated compression double bath cock indexed for hot and cold water; nickel-plated connected waste and overflow and supply pipes.

The closet outfit includes an improved wash down type vitreous earthenware bowl and plain white vitreous earthenware tank; fitted with Douglas pattern perfect acting valve. All tank fittings are made of heavy brass and copper; operated with China lever in front. The closet seat and cover are highly finished in mahogany and attached to the bowl with nickel-plated bar hinges.

The deep apron lavatory is coated with white porcelain enamel and measures 18x21 inches with 8 inch back and "D" pattern bowl, size 10½x14½ inches. Fitted with two nickel-plated compression faucets with China tops indexed for hot and cold water. Nickel-plated 1¼ inch "P" trap to wall.

5-G-67. Countess Bathroom combination, complete as described, for iron pipe connections..... **$65.00**

Sovereign Bathroom Combination

The Sovereign Bathroom Combination has been carefully assembled to offer every requirement for the modern bathroom. Considering the splendid quality and modern design of every piece and part, the low price will encourage your immediate decision in favor of this outfit.

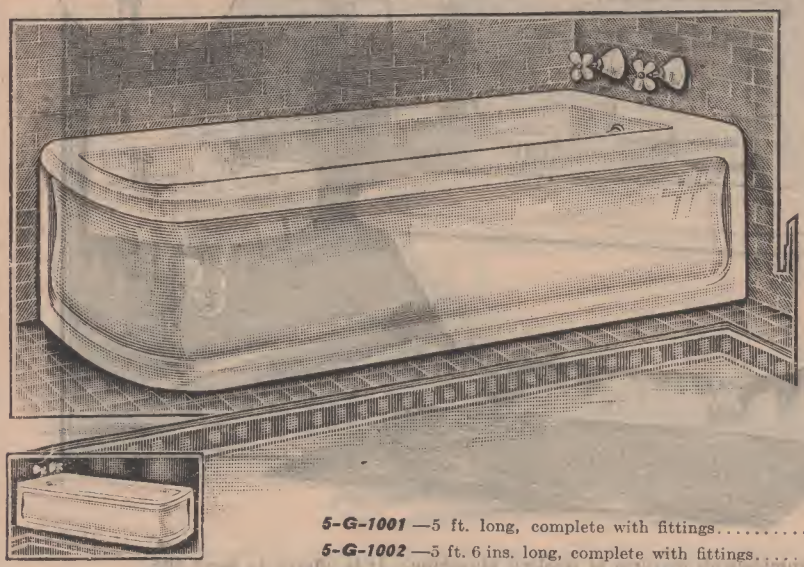
The bath tub measures 5 feet long and 30 inches wide and is made with a 3-inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed hot and cold; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

The closet outfit is an improved low down design furnished with wash down type white vitreous earthenware bowl. The oak seat and cover are attached with nickel-plated offset hinges. The oak closet tank matches the seat and cover in finish. It is fitted with best trimmings and is perfect in action. Lined throughout with heavy copper. Nickel-plated flush elbow and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 17x19 inches with 10 inch back and "D" pattern bowl, size 10½x13½ inches. Fitted with nickel-plated faucets with handles indexed hot and cold. Nickel-plated supply pipes and "P" trap to wall.

5-G-300. Sovereign Bathroom combination, complete as described, for iron pipe connections..... **$59.00**

Modern Artistic Bath Tubs



Beautiful Deep Apron Corner Recessed Tub

$83.00

We offer this tub as the highest type of porcelain enamel ware possible to manufacture. Its beauty of design and special white enameled finish give the bathroom an elegance of appearance impossible to obtain with any other type of tub. Cast in one piece of the finest quality gray iron casting, coated inside and out with beautiful white porcelain enamel. Finished on one side and one end. An allowance of ½ inch is made for finishing into the floor and ¾ inch on the back and end for finishing into the wall.

The fittings furnished are of the concealed type. The supply pipes and lifting waste are equipped with white china handles and escutcheons.

Tubs furnished for either right or left corner, made in three sizes:

5-G-1001 —5 ft. long, complete with fittings..... **$83.00**
5-G-1002 —5 ft. 6 ins. long, complete with fittings..... **87.00**

Impressive Built-In Full Recessed Tub

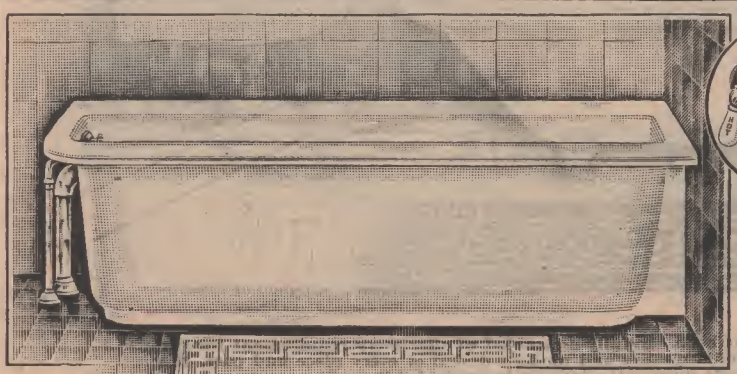
$56.00

This tub is all cast in one piece and enameled inside and over the 3 inch flat rim. It is finished with the highest grade porcelain enamel. The back and both ends are built into the wall. An allowance of ½ inch is made on the back and two ends, as well as on the bottom for setting into the floor.

The fittings are the concealed type. The supply pipes and lifting waste are equipped with white China handles and escutcheons. Tubs furnished with outlet at either right or left end Made in three sizes:

5-G-1003—4 ft. 6 ins. long, complete with fittings..... **$56.00**
5-G-1004—5 ft. long, complete with fittings..... **57.00**
5-G-1005—5 ft. 6 ins. long, complete with fittings..... **62.00**

Bath tubs enameled inside and out.
5-G-10030—4 ft. 6 ins. long, complete with fittings..... **$66.00**
5-G-10040—5 ft. long, complete with fittings..... **67.00**
5-G-10050—5 ft. 6 ins. long, complete with fittings..... **72.00**



Latest Double Bath Cock

Attractive Built - In Corner Recessed Tub

$50.00

Built-in corner tub with 3 inch rim enameled inside and over rim, finished with finest quality porcelain enamel. An allowance of ½ inch is made for finishing the back and one end into the wall and ½ inch for finishing tub into the floor. Fitted with double compression nickel-plated bath cock, with China handles, indexed hot and cold, nickel-plated brass connected waste and overflow, nickel-plated brass supply pipes. Furnished for right or left corner.

Corner tub enameled inside and out.
5-G-10060 — 4 ft. 6 ins. long, complete with fittings described..... **$60.00**
5-G-10070 — 5 ft. long, complete with fittings described..... **$63.00**
5-G-10080 — 5 ft. 6 ins. long, complete with fittings described..... **$70.00**

5-G-1006 — 4 ft. 6 ins. long, complete with fittings described..... **$50.00**
5-G-1007 — 5 ft. long, complete with fittings described..... **$53.00**
5-G-1008 — 5 ft. 6 ins. long, complete with fittings described..... **$56.00**

Finest Quality—Priced Low!

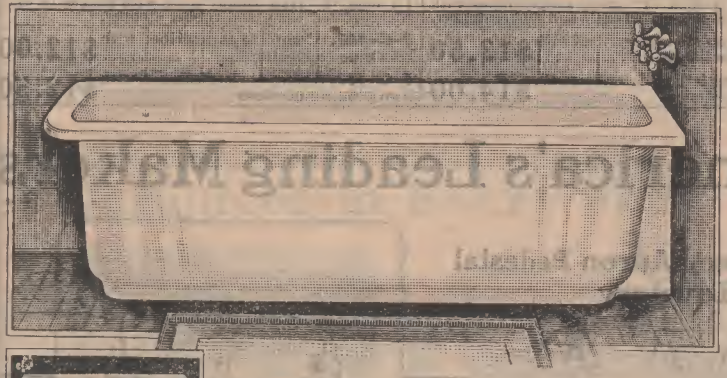
Elegant Deep Apron Full Recessed Tub

$78.00

One piece porcelain enameled tub, enameled inside and over the apron with finest quality white porcelain enamel. The back and both ends are finished into the wall and an allowance of ½ inch is made on this tub for finishing.

The fittings furnished are the concealed type. The supply pipes and Ideal lifting waste are equipped with white china handles and escutcheons. Tubs can be furnished with outlet at either right or left end, made in three sizes:

5-G-1010—5 ft. long, complete with fittings..... **$78.00**
5-G-1011—5 ft. 6 ins. long, complete with fittings..... **82.00**



Neat Built-In Corner Recessed Tub

$57.00

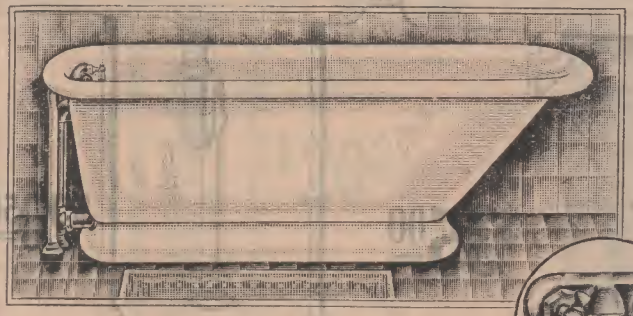
One piece cast iron enameled tub with 3 inch rim, enameled inside with the finest quality white porcelain enamel. An allowance of ½ inch is made on the back and one end of this tub for finishing into the wall.

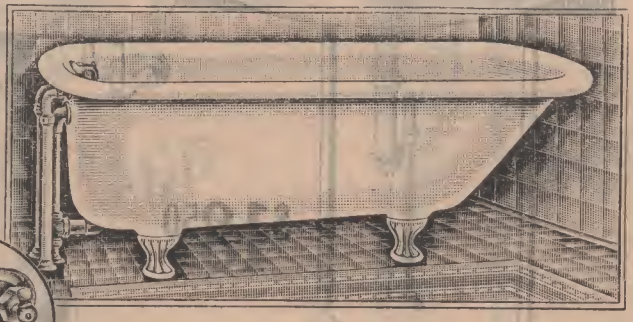
The fittings are the concealed type. Supply pipes and lifting waste are equipped with white China handles and escutcheons. Tub furnished for either right or left corner, made in three sizes:

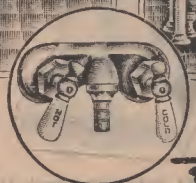
5-G-1012—4 ft. 6 ins. long, complete with fittings.. **$57.00**
5-G-1013—5 ft. long, complete with fittings..... **60.00**
5-G-1014—5 ft. 6 ins. long, complete with fittings... **63.00**

Corner Tub Enameled Inside and Out

5-G-10120—4 ft. 6 ins. long, complete with fittings **$67.00**
5-G-10130—5 ft. long, complete with fittings..... **70.00**
5-G-10140—5 ft. 6 ins. long, complete with fittings. **77.00**







Pedestal Bath Tub

Made of the best grade of gray cast iron enamel, heavily coated with white porcelain enamel inside and over the 3 inch roll rim.

Tub furnished with nickelplated compression bath cock with China handles, indexed hot and cold, nickelplated connected waste and overflow and nickelplated supply pipes.

Tub complete as described, painted outside:

5-G-1015—4 ft. 6 ins..... **$40.00**
5-G-1016—5 ft..... **40.00**
5-G-1017—5 ft. 6 ins..... **45.00**
Nickelplated standing bath waste and overflow china top for pedestal tubs. Extra..... **$8.50**

Roll Rim Enameled Tub

Double bath cock of new design a feature of the regular equipment furnished with our bath tubs.

Made of gray cast iron enameled inside and over the 3 inch roll rim. Tubs measure 30 inches wide and are fitted with nickelplated bathcock, indexed for hot and cold, nickelplated waste and overflow and nickelplated supply pipes.

5-G-1021—4 ft. 6 ins. long, complete with fittings..... **$33.00**
5-G-1022—5 ft. long, complete with fittings..... **33.00**
5-G-1023—5 ft. 6 ins. long, complete with fittings..... **36.00**
5-G-1024—6 ft. long, complete with fittings..... **43.00**

White Porcelain Enameled Lavatories

Size of Slab, 17x19 inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece half circled lavatory with "D" pattern bowl. Easily and quickly attached with concealed wall hangers furnished. Fitted complete with low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-401. Complete as described with lead pipe connections..... **$10.00**

5-G-403. Complete as described with iron pipe connections..... **$10.50**

Length on sides, 16¾ inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-601. Complete as described with lead pipe connections..... **$13.50**

5-G-603. Complete as described with iron pipe connections..... **$14.00**

Size of Slab, 18x21 inches; bowl, 10½x14½ inches, height of back, 8 inches.

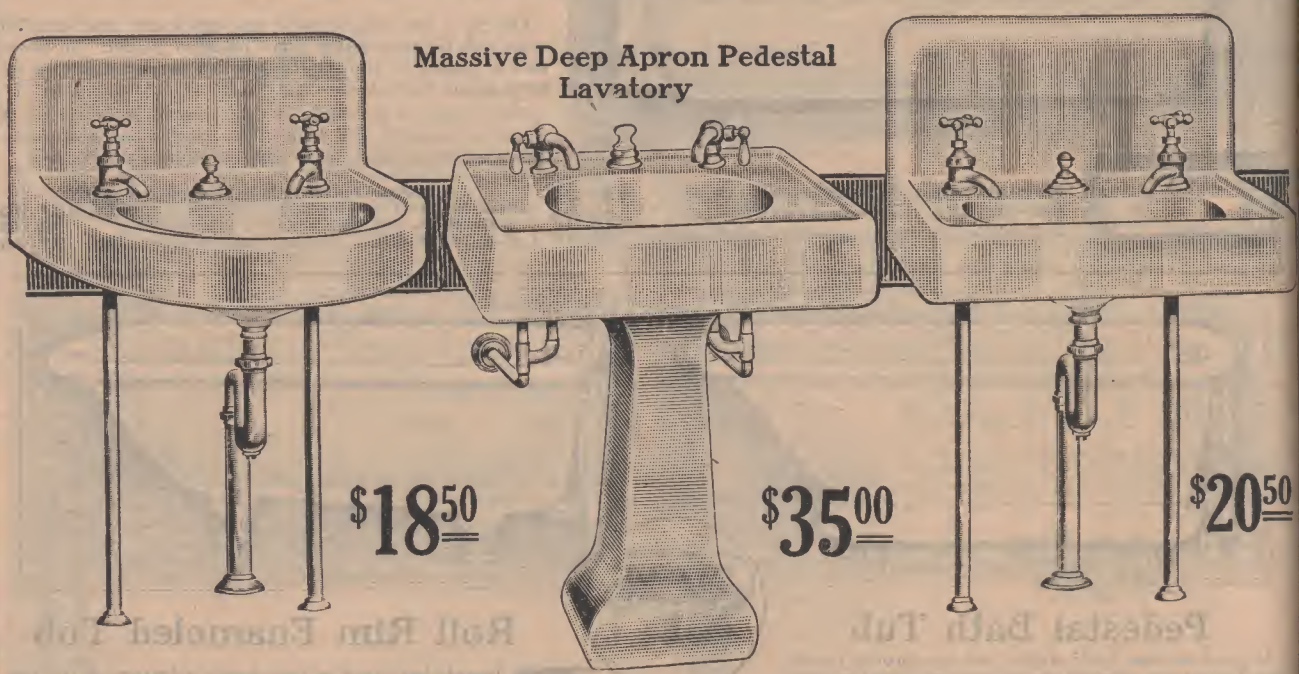
White porcelain enameled one-piece roll rim half circled lavatory with "D" pattern bowl. Easily hung with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-480. Complete as described with lead pipe connections..... **$12.00**

5-G-482. Complete as described with iron pipe connections..... **$12.50**

The Product of America's Leading Makers

Massive Deep Apron Pedestal Lavatory



Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated lifting waste with China index.

5-G-421. Complete as described with lead pipe connections..... **$18.50**

5-G-423. Complete as described with iron pipe connections..... **$19.00**

Size of Slab, 20x24 inches; oval bowl, 11x15 inches; height of lavatory, 31 inches.

White porcelain enameled one-piece pedestal lavatory with oval bowl. Supported on a massive, properly proportioned white enameled pedestal. Fitted complete with nickel-plated model lifting waste with China knob and two fuller faucets with China handles, "hot and cold." Nickel-plated supply pipes and 1¼ inch "P" trap to wall. This is an impressive lavatory and will give your bathroom a rich appearance.

5-G-98. Complete as described with iron pipe connections..... **$35.00**

5-G-99. Lavatory as described without lifting waste..... **$31.50**

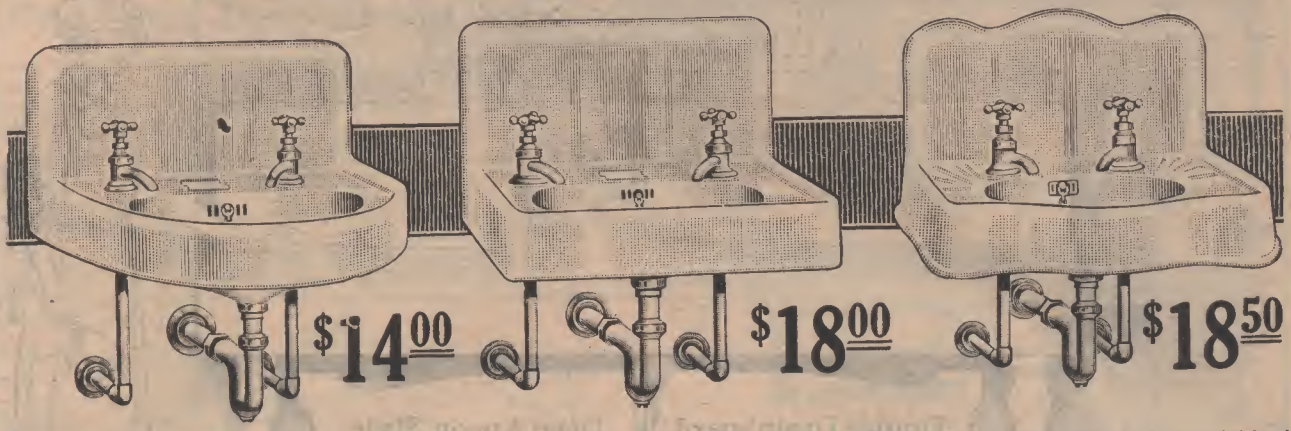
Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated model lifting waste with China index and two compression faucets with China tops, marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor.

5-G-441. Complete as described with lead pipe connections..... **$20.50**

5-G-443. Complete as described with iron pipe connections..... **$21.00**

Priced Unusually Low for Big Economy



$14.00 $18.00 $18.50

Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated low down compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-411. Complete as described with lead pipe connections..... **$14.00**

5-G-413. Complete as described with iron pipe connections..... **$14.50**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-311. Complete as described with lead pipe connections..... **$18.00**

5-G-313. Complete as described with iron pipe connections..... **$18.50**

5-G-314. Lavatory size 20x24 inches with fittings as described above..... **$20.00**

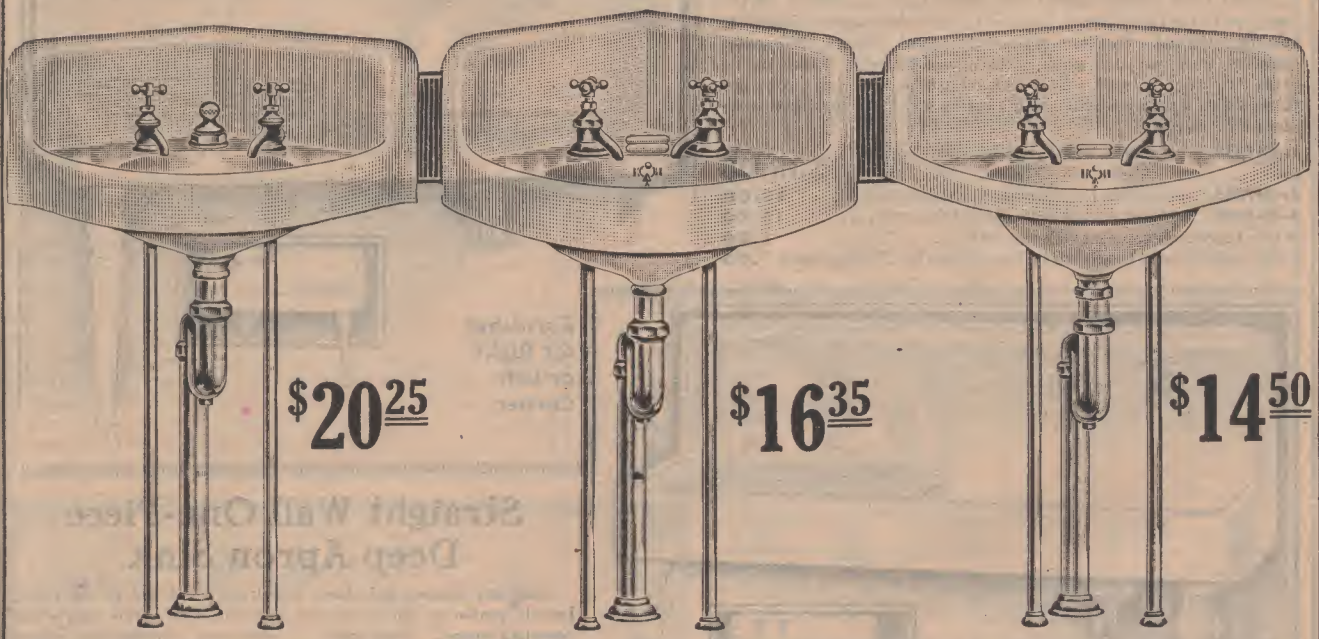
Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece shapely serpentine deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-G-492. Complete as described with lead pipe connections..... **$18.50**

5-G-494. Complete as described with iron pipe connections..... **$19.00**

Guaranteed in Every Way to Completely Satisfy



$20.25 $16.35 $14.50

Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl. Supported on concealed wall hangers which are furnished. Fitted complete with nickel-plated model waste with China index and two compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "S" trap, supply pipes with flanges to floor.

5-G-641. Complete as described with lead pipe connections..... **$20.25**

5-G-643. Complete as described with iron pipe connections..... **$20.75**

Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl, quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-G-621. Complete as described with lead pipe connections..... **$16.35**

5-G-623. Complete as described with iron pipe connections..... **$16.85**

Length on sides, 18¾ inches; bowl, 10¼x14½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Supported on concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-G-611. Complete as described with lead pipe connections..... **$14.50**

5-G-613. Complete as described with iron pipe connections..... **$15.00**

BEAUTIFUL ONE-PIECE KITCHEN SINKS

Double Drainboard Deep Apron Style

Elegant Kitchen Sink cast in one piece of finest quality gray iron. Enameled all over with white porcelain enamel, fitted with nickel-plated swinging mixing faucet with porcelain China handles, indexed hot and cold and porcelain China soap dish, nickel-plated brass "P" trap, cast iron porcelain enameled adjustable sink legs. These sinks can be installed 36 inches from the floor.

5-G-1840. Double drainboard sink, 62 inches long, with fittings as described..... **$67.00**

5-G-1841. Double drainboard sink, 73 inches long, with fittings as described..... **87.00**

One-Piece Deep Apron Sink

Made in one piece, including sink, drain board, back and end piece, 12 inches high, heavily coated with white porcelain enamel on the inside and over drain board, back and 5 inch deep apron with white porcelain enamel. Sanitary style with round corners. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall. Cast iron adjustable sink leg. Attached to wall with strong concealed wall hangers which are furnished without extra charge.

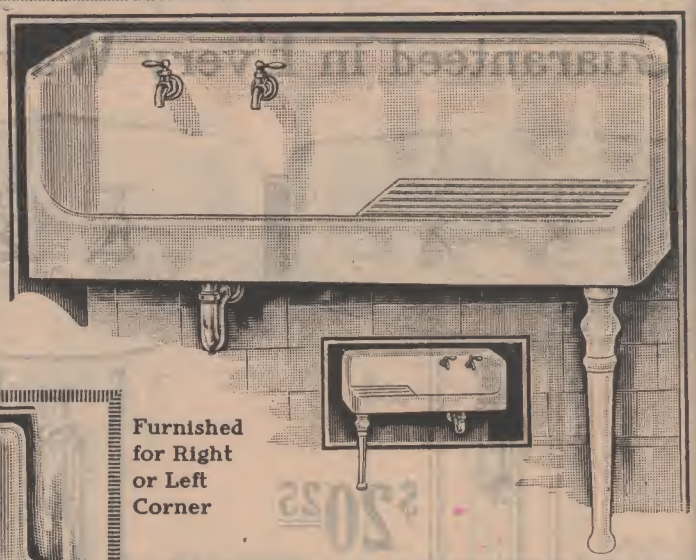
5-G-1853. 44 inches long, for right or left corner. Price..... **$35.00**

5-G-1855. 48 inches long, for right or left corner..... **43.00**

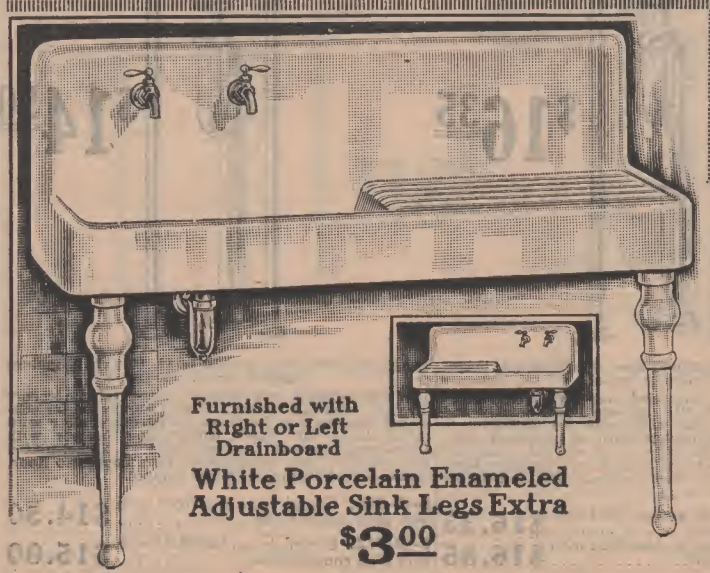
5-G-1856. 52 inches long, for right or left corner..... **49.00**

White Porcelain enameled sink leg, extra..... **1.50**

1½ in. nickel plated brass trap to floor in place of "P" trap, extra **.75**



Furnished for Right or Left Corner



Furnished with Right or Left Drainboard

White Porcelain Enameled Adjustable Sink Legs Extra

$3.00

Straight Wall One-Piece Deep Apron Sink

Sanitary kitchen sink, back and drain board cast in one piece; heavily coated on the inside and over the deep apron with white porcelain enamel. Deep apron, 5 inches wide. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall and two cast iron adjustable sink legs. Attached to the wall with strong concealed wall hangers, furnished without extra charge.

5-G-1846. 42 inches long, with left or right drain board..... **$36.00**

5-G-1848. 48 ins. long, with left or right drain board.. **43.00**

5-G-1850. 52 ins. long, with left or right drain board.. **47.00**

1½ in. nickel-plated brass trap to floor in place of "P" trap, extra..... **.75**

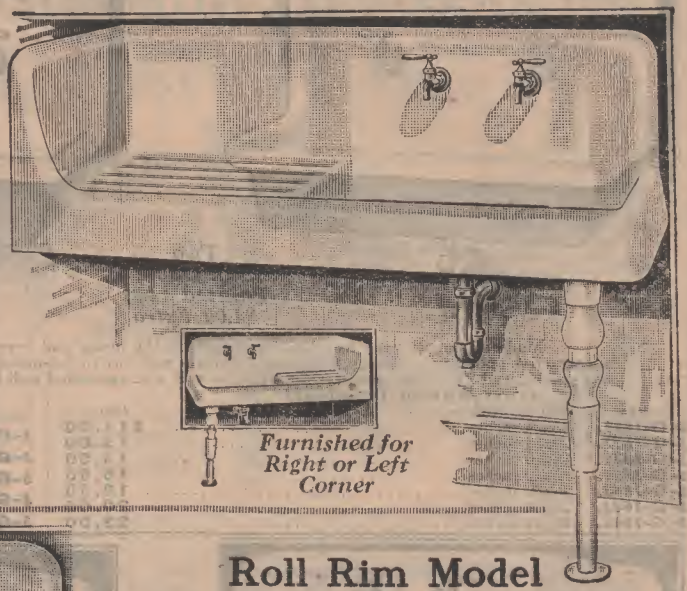
Latest Sanitary Decorative Models

One-Piece Deep Apron Sink

An elegant kitchen sink with deep apron, back, drain board and end piece, cast in one piece. An impressive design, neat and easily cleaned—no corners or cracks to hold the grease and dirt.

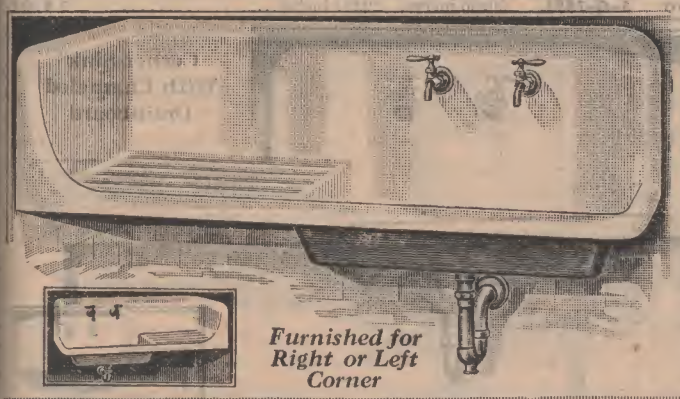
Supported on adjustable painted legs, and firmly attached by concealed wall hangers.

Furnished complete with nickel-plated improved strainer, ½ in. Fuller flange bibbs, 1½ in. nickel plated brass trap to wall I. P. conn., and one cast iron adjustable sink leg. Three sizes, furnished with right or left end piece. **Be sure to state whether right or left style is wanted when you order.**



Furnished for Right or Left Corner

5-G-1854. 44 inches long, with right or left end piece. Price	**$35.00**
5-G-1857. 48 inches long, with right or left end piece	**$43.00**
5-G-1858. 52 inches long, with right or left end piece	**49.00**
1½ inch Nickel-Plated Brass trap to floor, extra	**.75**
White porcelain enameled cast iron sink leg, extra	**1.50**



Furnished for Right or Left Corner

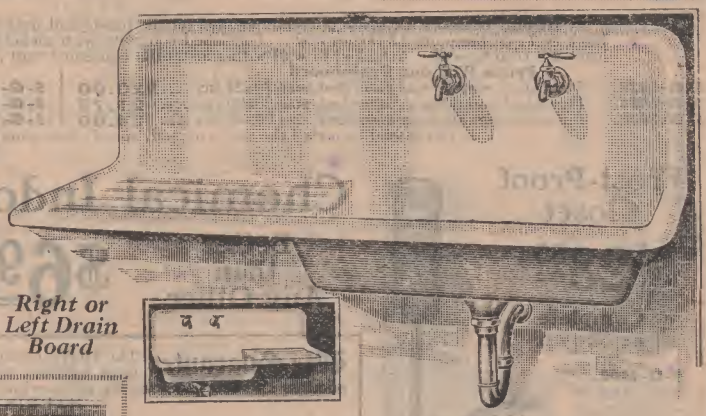
Roll Rim Model One-Piece Corner Sink

Splendid kitchen sink, sanitary and easy to keep clean—a roll rim sink with back drain board and end piece, all cast in one piece, heavily coated with white porcelain enamel. Furnished complete with concealed wall hangers, nickel-plated improved strainer, ½ inch nickel-plated Fuller flange bibbs and 1½ inch Nickel Plated Brass trap to wall I. P. conn. Furnished in three sizes with right or left end piece.

5-G-1797. 44 inches long, with right or left end piece. Price	**$32.00**
5-G-1798. 48 inches long, with right or left end piece	**$36.00**
5-G-1799. 52 inches long, with right or left end piece	**39.00**
Adjustable painted leg. Each	**1.50**
White porcelain enameled sink legs, each	**3.00**
1½ inch Nickel Plated Brass trap to floor, extra	**.75**

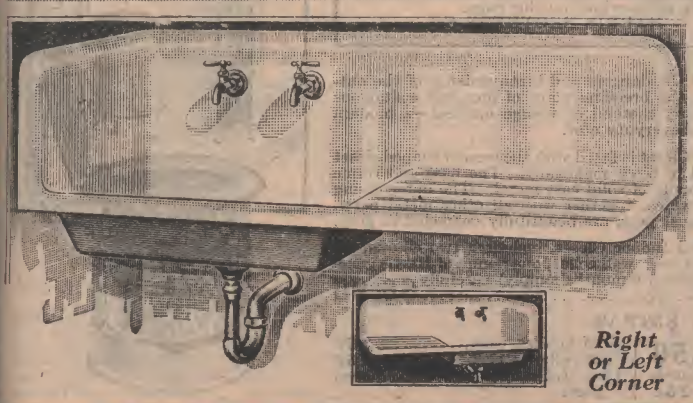
One-Piece Roll Rim Sink

This popular sink features all that is best in a combination sink, back and drain board cast in one piece. Heavily coated on the inside and over the back and wide roll rim with white porcelain enamel. Attached to wall with strong concealed wall hangers, furnished without extra charge. Fitted complete with two nickel plated faucets and 1½ inch Nickel Plated Brass trap to wall I. P. conn.



Right or Left Drain Board

5-G-1791. 44 inches long, with left or right drain board	**$28.00**
5-G-1793. 48 inches long, with left or right drain board	**$30.00**
5-G-1795. 52 inches long, with left or right drain board	**33.00**
Adjustable painted cast iron legs. Per pair	**3.00**
White porcelain enameled sink legs. Per pair	**6.00**
1½ inch Nickel-Plated Brass trap to floor, extra	**.75**

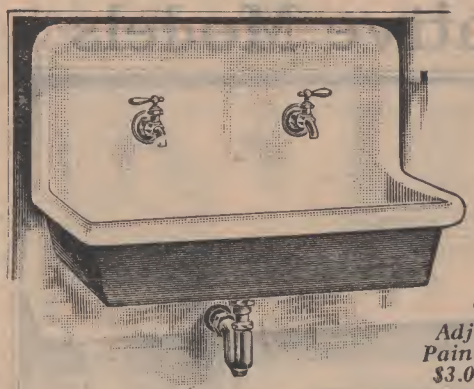


Right or Left Corner

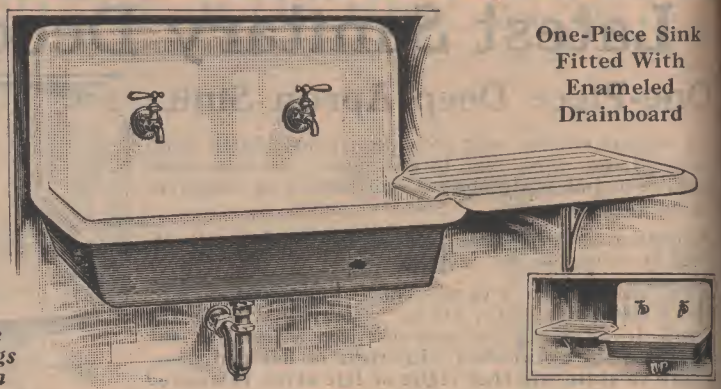
One-Piece Corner Sink

Heavily coated with white porcelain enamel. Made in one piece. Furnished complete with two nickel plated faucets and 1½ inch Nickel Plated Brass trap to wall I. P. conn. Quickly and easily attached to wall with strong concealed wall hangers which are furnished without extra charge.

5-G-1792. 44 inches long, for right or left corner	**$32.00**
5-G-1794. 48 inches long, for right or left corner	**$36.00**
5-G-1796. 52 inches long, for right or left corner	**39.00**
Adjustable painted cast iron legs. Each	**1.50**
White porcelain enameled sink leg, each	**3.00**
1½ inch Nickel-Plated Brass trap to floor, extra	**.75**



Two Adjustable Painted Legs $3.00 Extra



One-Piece Sink Fitted With Enameled Drainboard

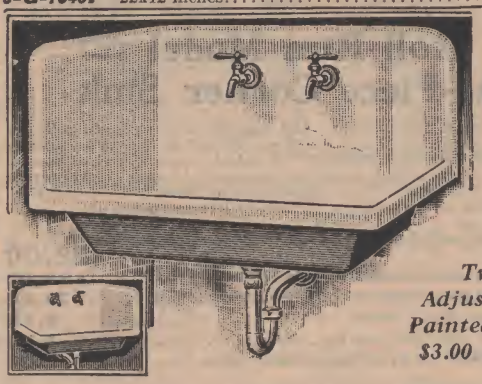
Made of smooth gray iron heavily coated on the inside and over the rim and back with white porcelain enamel; very neat, attractive and easy to clean. Furnished complete with two nickel-plated ½-inch flanged plain faucets, nickel-plated sink strainer and 1½-inch lead "P" trap to wall. Attached to wall with concealed wall hangers.

Prices Without Drainboard

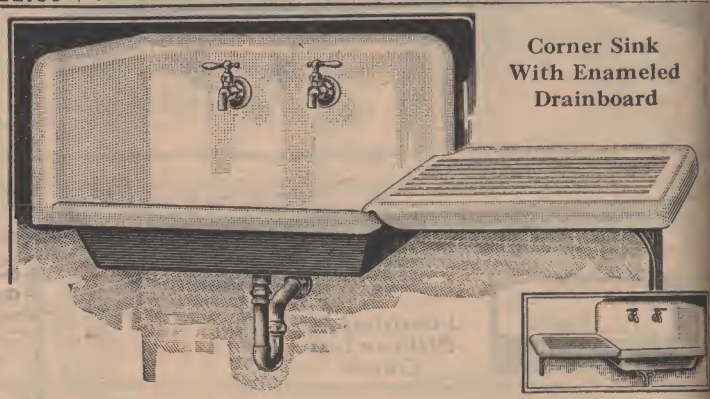
Number.	Size of Sink.	Price.
5-G-1631.	18x24 inches	$14.50
5-G-1632.	20x24 inches	15.00
5-G-1635.	18x30 inches	15.50
5-G-1639.	20x30 inches	16.50
5-G-1643.	20x36 inches	18.50
5-G-1644.	22x36 inches	20.00
5-G-1645.	22x42 inches	22.00

Complete With Drainboard

Number.	Size of Sink.	Size of Drainboard.	Price.
5-G-1675.	18x24 inches.	18x20 inches	$19.00
5-G-1677.	20x24 inches.	20x20 inches	21.00
5-G-1679.	18x30 inches.	18x24 inches	20.50
5-G-1681.	20x30 inches.	20x24 inches	22.00
5-G-1683.	20x36 inches.	20x24 inches	24.00



Two Adjustable Painted Legs $3.00 Extra



Corner Sink With Enameled Drainboard

Heavily coated with white porcelain enamel on the inside and over the rim and back; no crevices or corners to catch the dirt. Back and end piece are 12 inches high. Furnished complete with nickel-plated strainer, ½-inch nickel-plated faucets and 1½-inch lead "P" trap to wall. Attached to wall with substantial concealed wall hangers.

Prices Without Drainboard

5-G-1633.	Furnished complete as described, size 20x24 ins.	$20.00
5-G-1634.	Furnished complete as described, size 20x30 ins.	21.75
5-G-1636.	Furnished complete as described, size 20x36 ins.	24.00

Complete With Drainboard

5-G-1676.	Furnished complete as described, size 20x24 ins.	$26.00
5-G-1680.	Furnished complete as described, size 20x30 ins.	28.00
5-G-1682.	Furnished complete as described, size 20x36 ins.	30.00

If you intend to install the sink yourself, specify iron pipe connection and add 75c to prices above.

Frost-Proof Closet

$28.50

Complete as Shown

5-G-1900. Valve action is free and easy, allowing full capacity of tank to flush the bowl, unobstructed by interior parts. Separate valves make it easy to adjust and safe and sure from frost and leaks. A slight pressure on the seat operates the valve and gives a full pressure of water to flush the bowl clean. Always clean, sanitary and odorless. Can be put in a very small space. This outfit as illustrated, complete, as shown..... **$28.50**

Chemical Indoor Toilet

Better than Any Other **$6.95** **Try It for 30 Days**

We Guarantee The Harris Chemical Indoor Closet to be the most efficient toilet of its kind—absolutely odorless and sanitary, exactly as described on this page.
HARRIS BROTHERS CO.

Protect your family against the dangers and inconvenience of the outdoor privy—eliminate forever the breeding place of flies and contagious disease germs. A clean, sanitary method of sewage disposal—a modern toilet easily within the reach of everyone now.

The Harris Chemical Indoor Closet is fitted with the regular shaped closet seat and cover highly finished in birch mahogany. The base and frame work of the outer casing are made of solid cast metal. The outer casing is made of rolled sheet steel, which, together with all other metal parts, including 9 feet of 3-inch exhaust pipe, are beautifully enameled in gray.

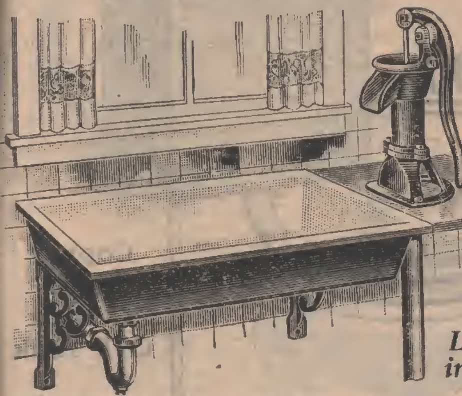
5-G-1816. Harris Chemical Indoor Closet, including two elbows, six lengths of 3-inch pipe, 12 inches long, wall collar, one pound of Harris guaranteed chemical disinfectant (about 6 months' supply) carefully packed in wood box..... **$6.95**

EXTRAS

Harris chemical disinfectant. Per gallon..... **$1.50**
Extra exhaust pipe, per 12-inch length..... **25c**
Roof saddles, each..... **75c**
Extra elbows, each..... **25c**
Chemical cannot be sent by parcel post.

Kitchen Sink Outfits and Accessories

Complete Kitchen Sink Outfit With Pitcher Spout Pump



$10.50

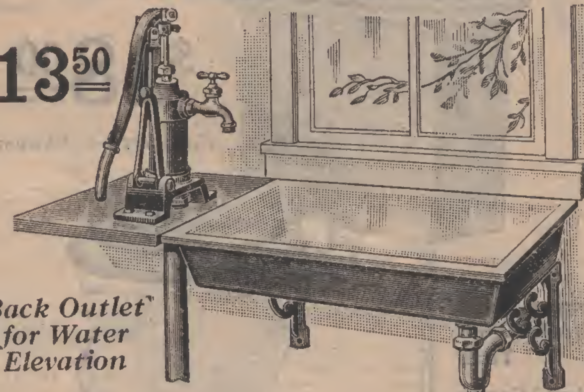
Porcelain Lined Sinks in Five Sizes

This kitchen sink outfit is identically the same as the one opposite except that we furnish a brass lined pitcher spout pump fitted for 1 inch iron pipe connection.

5-G-1601. Outfit complete with 18 in. x 30 in. sink with iron pipe connection	**$10.50**
5-G-1604. Outfit complete with 18 in. x 36 in. sink with iron pipe connection	**12.15**
5-G-1605. Outfit complete with 20 in. x 30 in. sink with iron pipe connection	**11.35**
5-G-1607. Outfit complete with 20 in. x 36 in. sink with iron pipe connection	**13.30**
5-G-1609. Outfit complete with 20 in. x 40 in. sink with iron pipe connection	**15.60**

Complete Kitchen Sink Outfit With Brass Lined Force Pump

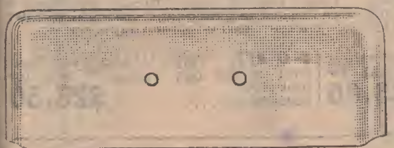
$13.50



Back Outlet for Water Elevation

High grade flat rim cast iron porcelain lined sink fitted with nickel-plated strainer and 1½ inch lead "P" trap with outlet to wall, fitted for 1½ inch iron pipe connection. Sink has two brackets. Force pump is made with 2½ inch brass lined cylinder with air chamber, insuring a steady flow of water. Pump is fitted for 1¼ inch suction pipe. Back outlet of pump fitted for 1 inch pipe, to elevate water to floors above. Attach hose to faucet for sprinkling or fire protection. Pump board not included.

5-G-1621. Kitchen sink outfit complete with sink size 18 in. x 30 in. with iron pipe connections	**$13.50**
5-G-1623. Kitchen sink outfit complete with sink size 18 in. x 36 in. with iron pipe connections	**15.25**
5-G-1625. Kitchen sink outfit complete with sink size 20 in. x 30 in. with iron pipe connections	**14.45**



White Enameled Sink Backs

5-G-1718. Designed for use with flat rim sinks drilled for two faucets. Size 12 in. high and 2¼ in. deep.

Size 24 in. long	**$3.85**	Size 36 in. long	**$6.15**
Size 30 in. long	**4.20**	Size 40 in. long	**6.75**

White Enameled Drain Boards

5-G-1780. Interchangeable and can be used on either end of sink. Furnished complete with cast iron bracket.

SIZES AND PRICES

18 x 18 inches	**$5.35**
18 x 20 inches	**5.75**
18 x 24 inches	**6.15**
20 x 20 inches	**6.50**
20 x 24 inches	**6.65**

Flat Rim Cast Iron Sinks Painted or White Enameled

Serviceable Sinks

These high grade flat rim cast iron sinks are furnished with the inside painted or coated with white porcelain enamel over rim. Complete with nickel-plated strainer, iron sink collar and bolts. Collar can also be fitted for 1¼ in. or 1½ in. iron pipe connection if desired. If iron pipe connections are wanted for these sinks, add 25c to the prices below.

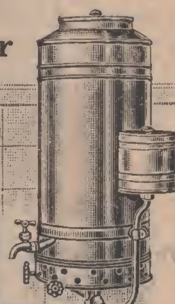
Painted Sinks

5-G-1701.	Size 18x24	**$3.35**
5-G-1702.	Size 18x30	**3.55**
5-G-1703.	Size 18x36	**4.20**
5-G-1704.	Size 20x30	**4.00**
5-G-1705.	Size 20x36	**4.70**
5-G-1706.	Size 20x40	**5.40**

Enameled Sinks

5-G-1709.	Size 18x24	**$6.00**
5-G-1710.	Size 18x30	**5.80**
5-G-1711.	Size 18x36	**8.45**
5-G-1712.	Size 20x30	**6.45**
5-G-1713.	Size 20x36	**9.25**
5-G-1714.	Size 20x40	**12.25**

Complete Bath Outfit for Homes Without Running Water



Composed of a high grade gasoline water heater with copper bottom and water coil. Sufficient water for bath heated in fifteen minutes. Tub furnished is made of heavy steel smoothly coated on the inside and capped with nicely finished oak top rim. Cast iron legs; equipped with connected waste and overflow fitted for 1¼ inch pipe.

5-G-1811. Complete with tub 4½ ft. long for iron pipe connection	**$26.00**
5-G-1813. Complete with tub 5 ft. long for iron pipe connection	**$26.25**

Prices for Bath Tub Only

5-G-1801. Tub only, 4 ft. 6 in. long. Each	**$10.85**
5-G-1803. Tub only, 5 ft. long. Each	**11.25**
5-G-1805. Tub only, 5 ft. 6 in. long. Each	**11.70**
5-G-1807. Tub only, 6 ft. long. Each	**12.35**

If Fuller double bath cock to fit tub is wanted, add $3.30. If nickel-plated ½ inch supplies for iron pipe connections are wanted, add, per pair, $2.00.

LOW TANK CLOSET OUTFITS

Wash Down Type Closet Outfit

$18.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Low tank closet outfit complete of dependable quality. Includes high grade tank finished in either polished golden oak or rich mahogany as desired; lined with heavy copper and fitted with rubber ball valve, which is operated by a push button; best interior fittings. Smooth white vitreous earthenware wash down type bowl. Seat and cover finished to match tank; nickel-plated elbow and supply pipe.

5-G-801. Complete as described, with seat and tank finished in golden oak, for lead pipe connections..... **$18.00**

5-G-803. Complete as described, with seat and tank finished in golden oak, for iron pipe connections..... **$18.50**

Syphon Jet Type Closet Outfit

$23.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Low tank closet outfit complete of improved design. Includes finest tank highly finished in either polished golden oak or rich mahogany; lined with heavy copper and fitted with best improved valve, insuring a strong flush of water with a light touch of the push button. Latest pattern white vitreous earthenware Syphon jet closet bowl. Seat and cover finished to match tank; attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

5-G-811. Complete as described with golden oak tank and seat for lead pipe connections..... **$23.00**

5-G-813. Complete as described with golden oak tank and seat for iron pipe connections..... **$23.50**

Wash Down Type Closet Outfit

$22.00

Complete as Shown

White Vitreous China Tank

Mahogany Finished Seat and Cover

Low tank closet outfit complete of excellent quality. Includes handsome white vitreous china tank with best interior fittings to insure a strong positive flush at all times; operated by white china lever. Shapely white vitreous earthenware wash down closet bowl glazed inside and out. Seat and cover finished in rich mahogany attached to bowl with heavy nickel-plated offset hinges. Nickel-plated elbow and supply pipe.

5-G-1001. Complete as described, with rich mahogany seat and cover; for lead pipe connections..... **$22.00**

5-G-1003. Complete as described, with seat and cover finished in rich mahogany, for iron pipe connections..... **$22.50**

Syphon Jet Type Closet Outfit

$27.00

Complete as Shown

White Vitreous China Tank

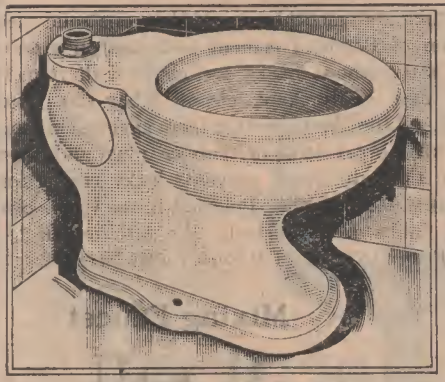
Mahogany Finished Seat and Cover

Low tank closet outfit complete of finest quality. Includes beautiful highly polished white vitreous china tank; easily kept clean. Fitted with latest improved rubber ball valve flush system made with fittings of heavy brass and copper; positive flush to bowl with light pressure on white china handle. White vitreous earthenware improved Syphon jet bowl glazed both inside and out. Rich mahogany finished seat and cover attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

5-G-1021. Complete as described with lead pipe connections..... **$27.00**

5-G-1023. Complete as described with iron pipe connections..... **$27.50**

Closet Bowls—Tanks and Seats

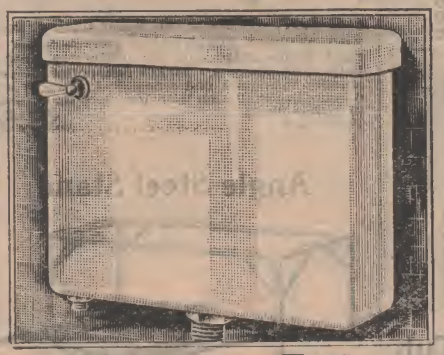


Syphon Jet Bowl

Syphon Jet Closet Bowl for low and high tank outfits. Made of finest grade of Vitreous earthenware with highly glazed white finish inside and out. Most sanitary type, easily kept clean. Weight, about 60 pounds.

5-G-1303. With 2-inch spud for low closet tanks. Price..... **$12.00**

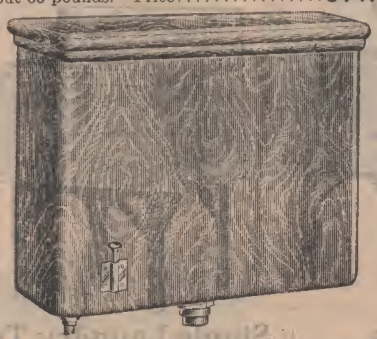
5-G-1307. With 1¼-inch spud for high closet tanks. Price..... **$12.00**



White China Tank

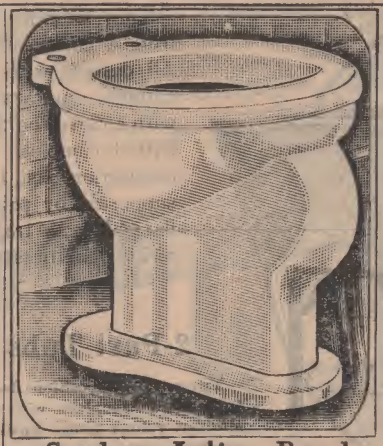
White Vitreous China Low Pattern Closet Tank. New, plain front design, round corners with flat shelf top.

5-G-1336. White Vitreous China Low Pattern Closet Tank. New, plain design, with rounded corners and flat shelf top. Quickly and easily hung with patent wall attachment. Will not crack, craze or leak—no linings—easily cleaned. Improved rubber ball valve. Heavy brass and copper fittings. Valve operated by white China lever. Furnished complete with ball cock, float valve and overflow; nickel plated supply pipe to floor and closet ell. Weight, about 60 pounds. Price..... **$14.00**



Oak Closet Tank

5-G-1325. Made of golden oak, highly polished; nickel plated push button. Fitted complete with Douglas pattern valve. Lined to water level with heavy sheet copper, capped off with heavy galvanized iron. Complete with ⅜-inch nickel-plated supply pipe and nickel-plated floor flange. Shipping weight, about 45 lbs. 8 gallons. Low Wood Tank, complete. Price..... **$9.00**

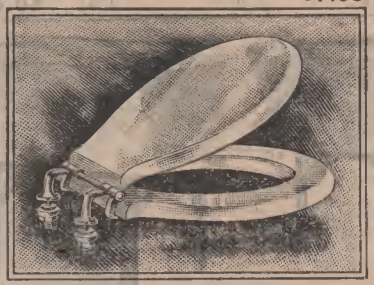


Syphon Action Bowl

Syphon action wash down closet bowls for low and high tank outfits. Made of the best grade of Vitreous earthenware, with highly glazed finish, sanitary and easily kept clean. Weight, about 50 lbs.

5-G-1301. With 2-in. spud for low closet outfits..... **$7.00**

5-G-1305. With 1¼-in. spud for high closet outfits..... **$7.00**



Pearl White Seat

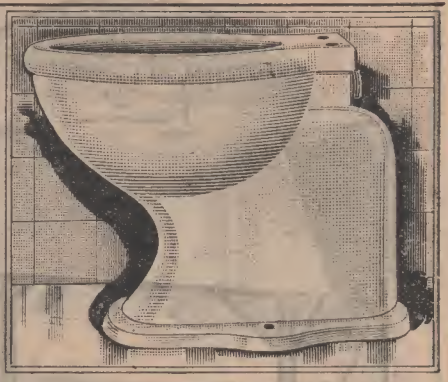
5-G-1310. These seats are exceptionally well constructed of hardwood and coated with a composition which is guaranteed not to chip or turn color. Furnished with nickel-plated bar hinge of heavy cast brass. Shipping weight, 15 lbs. Price..... **$6.00**

Mahogany Finished Seat

5-G-1312. Seat made of birch heavily constructed and reinforced. Beautiful Mahogany finish, furnished with cast brass nickel-plated bar hinge. Shipping weight, 15 lbs. Price..... **$3.00**

Oak Closet Seat

5-G-1311. Made of selected Oak heavily constructed and reinforced. Finished with a beautiful Golden Oak finish. Furnished with heavy cast brass nickel-plated bar hinge. Shipping weight, 15 lbs. Price..... **$2.90**



Reverse Trap Bowl

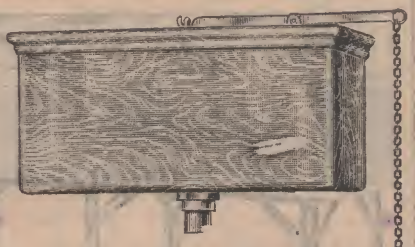
Improved design wash-down Closet Bowl with reverse trap made of the highest grade Vitreous earthenware, finished with a high glaze. The design and construction of these bowls is considered the most sanitary closet bowls manufactured. Weight, 50 pounds.

5-G-1304. With 2-inch spud for low closet tanks. Price..... **$8.00**

5-G-1306. With 1¼-inch spud for high closet tanks. Price..... **$8.00**

Cast Iron White Tank

5-G-1334. These tanks are made of a heavy gray iron casting, coated with white porcelain enamel inside and out. They are unquestionably the most durable closet tank manufactured. Valve is operated with a China lever in front of the tank. Furnished with submerged ball cock, copper float valve and overflow, nickel-plated supply pipe to floor and nickel-plated closet ell. Weight, about 90 pounds. Price..... **$13.50**



High Closet Tanks

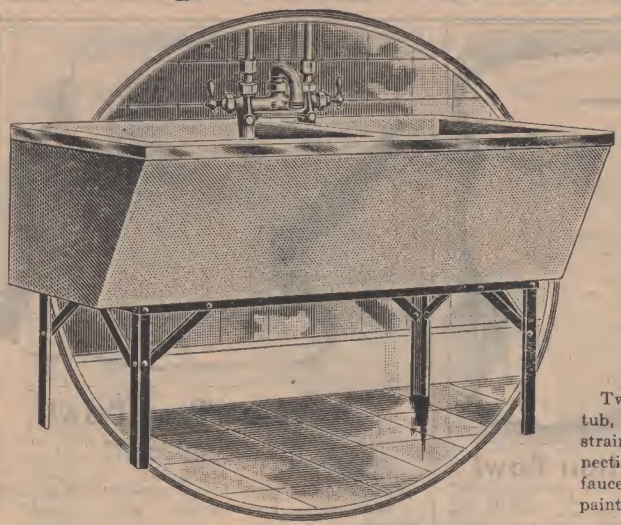
Top or Bottom Supply

Made of the best golden oak, highly polished. Attached to wall by concealed wall hangers. Furnished with nickel-plated chain and pull. Lined with heavy sheet copper, nickel plated flush pipe connection. Weight, about 30 lbs.

5-G-1315. High Tank Complete. Price, bottom supply..... **$8.00**

5-G-1317. Tank, same as above. Price, top supply..... **$8.00**

Composition Stoneware Laundry Tubs



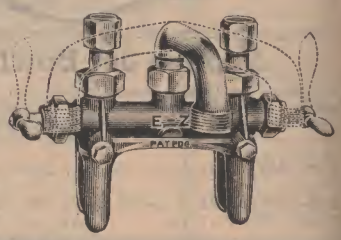
These laundry tubs are smoothly moulded in one solid piece from a composition of Portland cement and crushed granite. All designs with and without backs are made with rounded corners—sanitary and easily kept clean. They are fitted with a rust-proof metal top rim to protect them against chipping. Fitted complete with brass strainer, rubber plug and waste connection cast in the tub, which prevents leaky connections supported by painted steel stand. Polished brass ½ in. plain flanged wash tray bibbs are furnished. We will furnish 1½" nickel plate brass P trap to wall. I P conn. for $1.50 extra.

2-Part Tubs

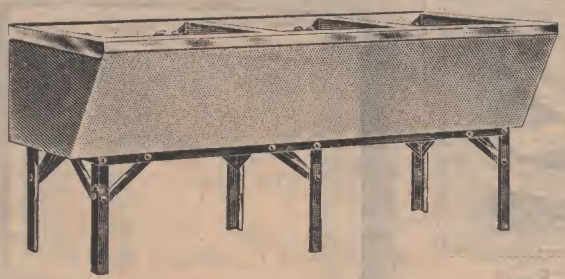
Two-part composition laundry tub, fitted complete with brass strainer, rubber plugs, waste connection and improved mixing faucet opposite; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-G-1907	48	24	16	400	**$16.00**
5-G-1908	54	24	16	450	**18.00**
5-G-1909	60	24	16	475	**20.00**

Mixing Faucet



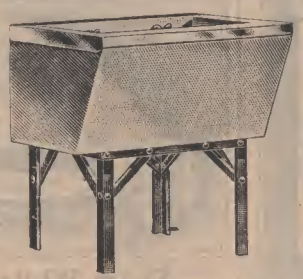
5-G-1917. Laundry tub water mixing faucet with swinging spout, which mixes water to right temperature and distributes the flow to both compartments. Makes installation of your laundry tubs quick and economical; saves at least 6 hours in installation time and more than its cost in fittings alone.
Price, each..... **$3.50**



3-Part Laundry Tubs

Three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass ½ inch flanged wash tray bibbs; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-G-1913	72	24	16	600	**$22.50**

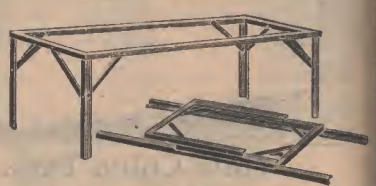


Single Laundry Tub

Single composition laundry tub fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass, ½ inch flanged wash tray bibbs; supported by painted steel stand.

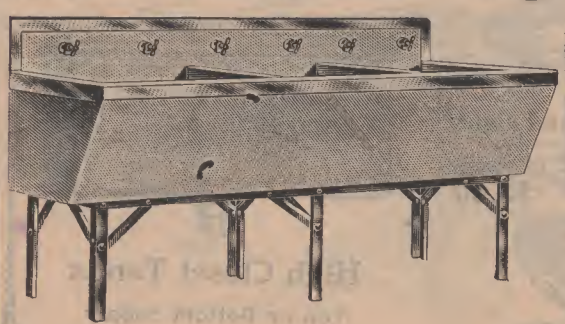
Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-G-1901	25	24	16	200	$ 9.00
5-G-1902	27	24	16	225	10.00
5-G-1903	31	24	16	250	10.50

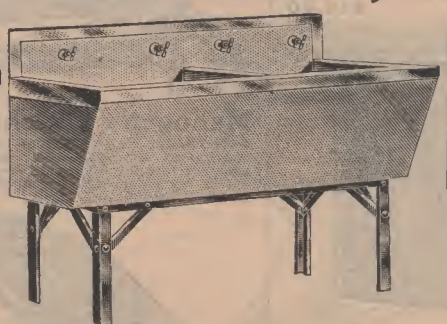
Angle Steel Stand

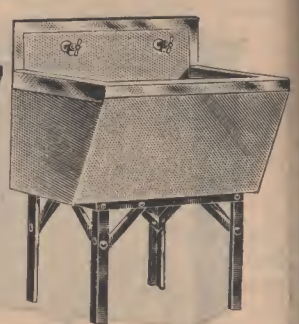


Neat, strong folding angle steel stands are furnished with all of our laundry tubs—a decided improvement over the shaky, unsightly old style cast-iron legs. Your laundry tub set on this improved base will stand solid and rigid. Made of 1-inch angle iron with steel braces, painted black. Easy to set up, fold or open. There is no additional charge for this improvement.

Desirable High Back Laundry Tubs







3-Part Laundry Tubs

High back three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pairs of polfshed brass ½ inch flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-G-1916	72	24	16	650	**$28.00**

2-Part Laundry Tubs

High back two-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connection and two pairs of polished brass ½ inch flanged wash tray bibbs; supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-G-1910	48	24	16	450	**$18.00**
5-G-1911	54	24	16	500	**22.00**
5-G-1912	60	24	16	525	**24.00**

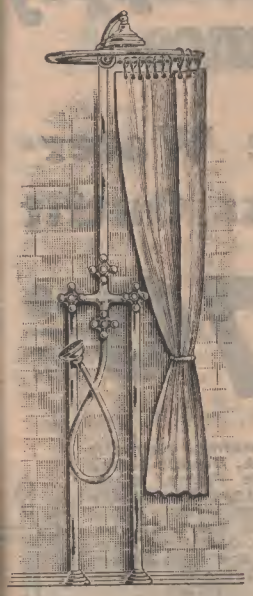
Single Laundry Tub

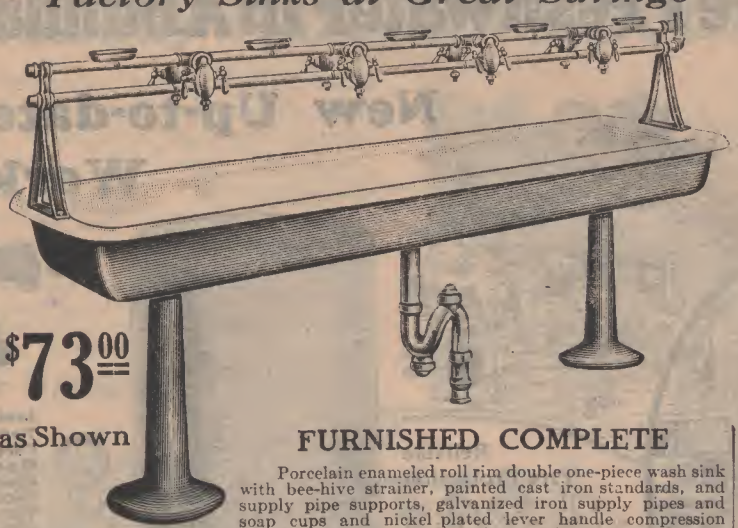
High back single composition laundry tub, fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass ½-in. flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. Lbs.	Price
5-G-1904	25	24	16	225	**$10.00**
5-G-1905	27	24	16	250	**11.00**
5-G-1906	31	24	16	275	**12.50**

Miscellaneous Plumbing Articles at a Saving

Factory Sinks at Great Savings



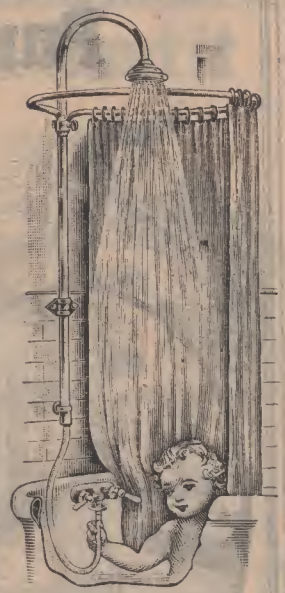


$73.00 as Shown

FURNISHED COMPLETE

Porcelain enameled roll rim double one-piece wash sink with bee-hive strainer, painted cast iron standards, and supply pipe supports, galvanized iron supply pipes and soap cups and nickel plated lever handle compression double wash sink faucets, with stream regulators. Width of sink, 28 inches. Depth, 8 inches.

5-G-2519.	4 ft. long, enameled inside, with 4 faucets	$73.00
5-G-2521.	6 ft. long, enameled inside, with 6 faucets	89.00
5-G-2526.	8 ft. long, enameled inside with 8 faucets	110.00
	Same as above, with ½ in. Compression Faucets.	
5-G-2518.	4 ft. long, complete with 8 faucets	$69.00
5-G-2520.	6 ft. long, complete with 12 faucets	82.00
5-G-2525.	8 ft. long, complete with 16 faucets	99.50



Shower Outfit

5-G-3069. Polished aluminum portable shower bath with heavy duck curtain. Portable and adjustable to various heights. Furnished complete as pictured with "hold fast" rubber bulb and rubber hose to ½ in. pure aluminum feed pipe.

Shipping weight, 10 lbs. Complete outfit..... $8.75

Shower Outfit

5-G-3071. Nickel Plated Brass Shower Bath with Head Shower and Shampoo Attachment, Rubber Hose and Sprinkler, ½ inch Supply Pipes to floor with check valves, China Indexed Controlling Valves and Duck Curtain..... $25.00

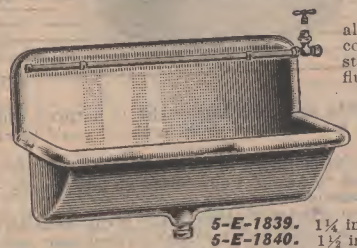
Ajax Bubbling Fountain

This bowl is similar in construction to our Lot No. 5-G-2510, excepting that the waste and supplies go to the wall instead of to the floor. It is adapted for places where economy of space is desired. It is equipped with nickel plated, self-closing stop with lever handle.

Lot No. *5-G-2515.* Bowl painted outside and enameled inside..... $11.25

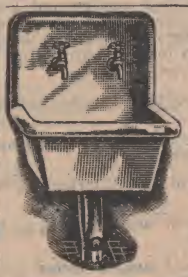
5-G-2516. Bowl enameled inside and outside..... $12.60

Porcelain Enamel Urinals—Roll Rim $15.75



Porcelain enameled roll rim urinals, all in one piece. They are supported on concealed wall hangers and have beehive strainer and coupling and perforated flush pipe with loose key stop.

		Prices
5-G-1833.	Size, 24 inches long	$15.75
5-G-1834.	Size, 30 in. long	$18.00
5-G-1835.	Size, 36 in. long	20.40
5-G-1836.	Size, 42 in. long	22.70
5-G-1837.	Size, 48 in. long	25.00
5-G-1838.	Size, 60 in. long	32.00
5-E-1839.	1¼ inch Nickel Plated P Trap	2.30
5-E-1840.	1½ inch Nickel Plated P Trap	2.60

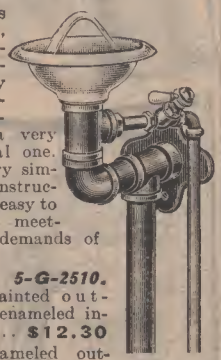


Enameled Roll Rim Slop Sinks

Order No. *5-G-1091.* Porcelain enameled roll rim slop sink, with back, all in one piece, on trap standard, with cleanout and waste to wall 12 in. high roll rim back, outlet threaded for 2 in. iron pipe.

Size—16x20x12—Enameled inside only	$23.60
Size—18x22x12—Enameled inside only	$27.35
Size—20x24x12—Enameled inside only	30.70
Extra for 2—¾ in. Nickel-Plated Fuller Flange Bibbs	3.50

Hercules Bubbling Fountains



This beautiful, up-to-date Sanitary Drinking Fountain is a very practical one. It is very simple in construction and easy to put up, meeting the demands of all.

Lot No. *5-G-2510.* Bowl painted outside and enameled inside..... $12.30

Bowl enameled outside and inside..... $13.65

Premier Slop Hopper

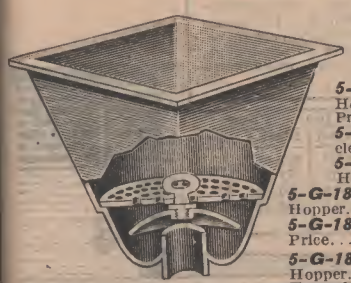


Illustration shows our "Premier" painted and enameled iron Slop Hopper. It is furnished complete as shown and made of the very best material, and made in three sizes.

5-G-1865. Size 12x12 inches. Painted Hopper. Price..... $4.55

5-G-1866. Size 12x12 inches. Enameled Hopper. Price..... $5.95

5-G-1867. Size 14x14 inches. Painted Hopper. Price..... $5.10

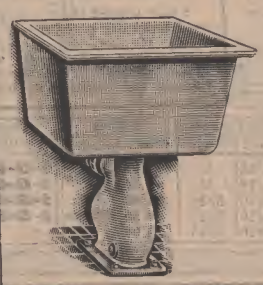
5-G-1868. Size 14x14 inches. Enameled Hopper. Price..... $6.40

5-G-1869. Size 16x16 inches. Painted Hopper Price..... $5.65

5-G-1870. Size 16x16 inches. Enameled Hopper. Price..... $6.90

Tapped for 2 inch Iron Pipe..... 75c

Enameled Iron Flat Rim Slop Sink



5-G-1877. Illustration shows our enameled iron flat rim Slop Sinks, which are furnished on the trap standard with cleanout and brass vent connections.

Size	Prices
16x16x10 inches	$14.50
16x20x12 inches	$16.15
18x22x12 inches	18.20
20x22x12 inches	19.90
20x24x12 inches	20.75

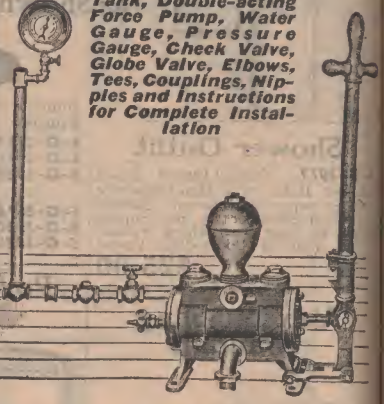
They are shipped from our factory in Southern Wisconsin

A Harris Air Pressure Water Supply
Pure Fresh Water in Abundance

New Up-to-date Water-Works Outfit

$70.00 Complete

Including Pneumatic Tank, Double-acting Force Pump, Water Gauge, Pressure Gauge, Check Valve, Globe Valve, Elbows, Tees, Couplings, Nipples and Instructions for Complete Installation



Reliable Fire Protection

A Harris Air Pressure System gives you all the conveniences of a city home and offers the most reliable fire protection. Simply connect the hose to any of the faucets placed at convenient and accessible points and you can have the fire extinguished in a few minutes. No pails of water to carry. Running water everywhere. Countless drudgery saved in bathroom, kitchen and laundry.

No Pails to Carry

Reliable Fire Protection

Costs Very Little

Easy to Install

This simple and reliable outfit is a most efficient water works system. After reading the full instructions furnished you'll be able to set it up yourself in a few hours' time.

Outfit includes black steel double riveted air tight pneumatic tank, made of 3/16 shell and 5/16 head. Fully tested to 200 pounds air pressure and guaranteed for working pressure of 75 pounds.

Pump furnished with this outfit is our 4-E-2455 Double Acting Horizontal Force Pump, equipped with pneumatic attachment and used for pumping water and air at the same time, tapped for 1¼-inch suction and 1-inch discharge. We also furnish water gauge glass, pressure gauge, check valve, globe valve and all other fittings, such as galvanized nipples, unions, couplings, etc., required in installation.

Tanks can be furnished to lay horizontally. Unless otherwise specified will be shipped with tappings for vertical setting.

5-G-6001. Complete Outfit. Size of tank, 24 inches by 6 feet. Capacity, 145 gallons. Working capacity, 100 gallons. Price..... **$70.00**

5-G-6002. Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **$94.00**

5-G-6005. Complete Outfit. Size of tank, 30 inches by 6 feet. Capacity of tank, 220 gallons. Working capacity, 160 gallons. Price..... **$83.00**

5-G-6007. Complete Outfit. Size of tank, 30 inches by 8 feet. Capacity of tank, 295 gallons. Working capacity, 200 gallons. Price..... **$97.00**

5-G-6009. Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 300 gallons. Price..... **$112.00**

Vertical or Horizontal Air Pressure Tanks

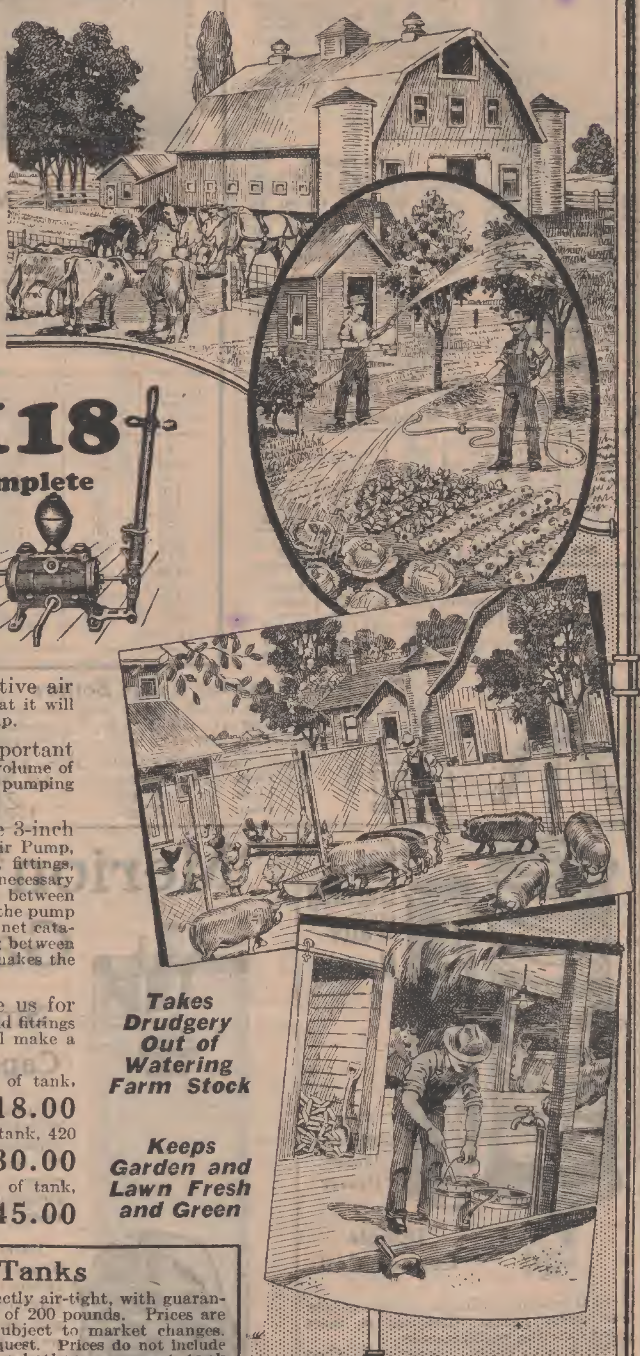
Fully tested before shipment and guaranteed perfectly air-tight, with guaranteed working pressure of 75 pounds and air pressure of 200 pounds. Prices are F. O. B. cars our factory near Chicago and are subject to market changes. Freight-paid or F. O. B. Chicago prices quoted on request. Prices do not include Water Gauges, etc. Manheads, $15.00 extra. **State whether you want tank tapped for vertical or horizontal position.**

Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In. Shell	Thickness, In. Head	Prices Black	Prices Galv.
5-G-6101	24	6	370	145	3/16	¼	$40.00	Write for Prices
5-G-6105	24	10	525	245	3/16	¼	61.50	
5-G-6107	30	6	558	220	3/16	5/16	52.00	
5-G-6109	30	8	677	295	3/16	5/16	64.00	
5-G-6111	30	10	795	365	3/16	5/16	73.00	

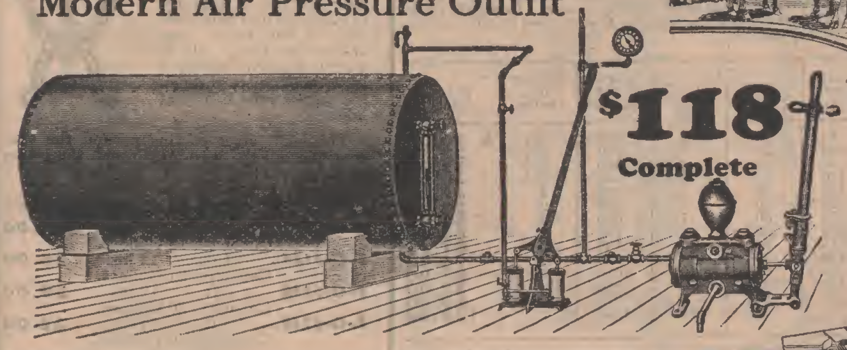
Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In. Shell	Thickness, In. Head	Prices Black	Prices Galv.
5-G-6115	36	6	760	315	3/16	5/16	$62.00	Write for Prices
5-G-6117	36	8	926	420	3/16	5/16	77.00	
5-G-6119	36	10	1,090	525	3/16	5/16	89.00	
5-G-6121	36	12	1,253	630	3/16	5/16	100.00	

Outfit is Easily and Quickly Installed
Always Ready When and Where You Want it

Any ordinary mechanic can install one of these systems for you, or you can do the work yourself in one afternoon. Complete plans and instructions are furnished with every outfit making it impossible for you to go wrong. There is no possible chance for these outfits to get out of order. They are very simple, containing the fewest working parts of any outfit on the market. Every outfit is guaranteed to be absolutely satisfactory in every way or your money will be refunded. If you are in doubt as to which size outfit will be needed to fulfill your requirements, we will be glad to give you any information that might help you out.



Modern Air Pressure Outfit



One of the special features of this outfit is the absolutely positive air supply arrangement. You'll find this feature to be a decided advantage in that it will give you a plentiful supply of air at all times, with only a few strokes of the pump.

A two-cylinder air pump is furnished with this outfit. A very important feature is the large 3-inch Cylinder Water Pump furnished, supplying a large volume of water and filling the tank in a very short time. This reduces the amount of pumping required.

We furnish these outfits, exactly as shown, complete, with large 3-inch Cylinder, Double Acting, Water Force Pump, Two-Cylinder, High Pressure Air Pump, with long, detachable lever, as illustrated, all necessary valves, check valves, fittings, pressure gauge, water gauge, complete with gauge cocks, guard rods, etc., the necessary piping to connect the pump with the outfit as shown; also the necessary pipe between the water pump and the tank. We do not furnish the suction pipe leading from the pump to the well, as this varies in every case. This will come extra, according to our net catalogue price on 1¼-inch Galvanized Iron Pipe. We, however, furnish the piping between the pump and tank, as shown in this illustration, and necessary fittings, which makes the outfit complete, as illustrated.

Below you will find three complete outfits. If in doubt, write us for complete estimate. Tell us the size outfit and send sketch of quantity of pipe and fittings needed from well to pump and from pump to supply in your home. We will make a delivered price on all your needs.

5-G-6203. Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons.
Price........ **$118.00**

5-G-6207. Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 360 gallons.
Price........ **$130.00**

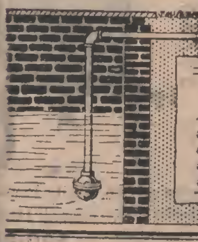
5-G-6209. Complete Outfit. Size of tank, 36 inches by 10 feet. Capacity of tank, 525 gallons. Working capacity, 360 gallons.
Price........ **$145.00**

Takes Drudgery Out of Watering Farm Stock

Keeps Garden and Lawn Fresh and Green

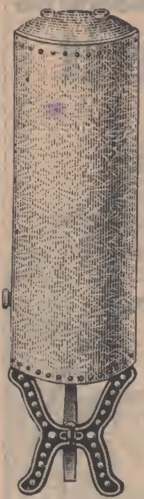
Large Air Pressure Tanks

Fully tested before shipment and guaranteed perfectly air-tight, with guaranteed working pressure of 75 pounds and air pressure of 200 pounds. Prices are F. O. B. cars our factory near Chicago and are subject to market changes. Freight-paid or F. O. B. Chicago prices quoted on request. Prices do not include Water Gauges, etc. Manheads, $15.00 extra. **State whether you want tank tapped for vertical or horizontal position.**



Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In.		Price	
					Shell	Head	Black	Galv.
5-G-6123	42	8	1,422	575	¼	⅜	$110.00	Write for Prices
5-G-6125	42	10	1,685	720	¼	⅜	128.00	
5-G-6127	42	12	1,953	865	¼	⅜	145.00	
5-G-6129	42	14	2,215	1,000	¼	⅜	164.00	
5-G-6135	48	14	2,665	1,300	¼	⅜	$187.50	Write for Prices
5-G-6137	48	16	2,963	1,500	¼	⅜	208.50	
5-G-6141	48	20	3,565	1,880	5/16	½	252.50	
5-G-6143	48	24	4,167	2,260	5/16	½	292.00	

Hot Water Storage Tanks



Galvanized Range Boilers

Standard Weight

Guaranteed full weight. Tested to a working pressure of 150 pounds. Furnished complete with stand, galvanized inside tube and malleable iron couplings. Opening at top for cold water intake and hot water outlet. Opening at bottom for drain for use where average pressure is not over 85 pounds.

Extra Heavy

Heavier and more substantial than our standard range boilers. Tested to 250 pounds working pressure. Recommended for use where working pressure is not over 150 pounds.

Please Note:

Range boilers can only be used where there is a constant water supply under pressure. Openings are arranged with couplings for connection to stove or furnace for hot water supply from your faucets.

No. 5-G-2101 **Standard Boilers**

Cap., Gals.	Ht., in. Boiler	Ht., in. incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	72	$ 9.00	$11.00
40	60	75	85	11.50	13.50
52	60	75	120	19.00	22.00

No. 5-G-2109 **Extra Heavy Boilers**

Cap., Gals.	Ht., in. Boiler	Ht., in. incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	87	$12.25	$14.25
40	60	75	100	15.50	17.50
52	60	75	135	28.00	31.50

Water Storage Tanks

Order *No. 5-G-2705*

These splendid storage tanks are made up of finest quality steel plate, securely joined, heavily and closely riveted throughout. Shell head of ¼ inch steel, convex head of ¼ inch steel. Concave heads of all tanks including 525 gallon size of ¼ inch steel; larger sizes have concave head made of ⅝ inch steel. They are carefully tested to 100 pounds hydrostatic pressure and are recommended for use where water working pressure does not exceed 65 pounds. Regularly made with flanged openings as shown. Can be used in a horizontal or vertical position.

Approx. Capac. Gallons	SIZES Diam. Inches	SIZES Length Feet	Approx. Weight Pounds	Regular Open. Inches	Price Each
85	20	5	310	1½	$ 30.00
100	24	4	330	1½	32.50
120	24	5	380	1½	37.00
140	24	6	440	1½	40.00
180	30	5	500	2	47.00
220	30	6	560	2	52.00
250	30	7	630	2	58.80
295	30	8	700	2	63.30
315	36	6	700	2	61.75
420	36	8	870	2	76.80
525	36	10	1030	2	87.90
430	42	6	890	2	82.80
575	42	8	1070	2	99.50
720	42	10	1250	2	112.50

Galvanized Water Heating "Peerless" Range Boilers

The heat generated in the burner strikes the water spreader or disc and passes directly into the water, causing it to circulate. The disc or spreader is used for the purpose of spreading water; it also prevents the flame from coming in contact with the bottom of the boiler, thus protecting it against the gas flame. **In The Peerless** we have nothing to conceal.

The cold water is carried to the bottom of the disc through the left hand pipe and comes instantly in contact with the hottest part of the boiler, just above the flame. It is quickly heated, and as it is warmed, rises through the center tube to top of boiler.

The heat, after passing around the disc, continues all the way up through the center of boiler.

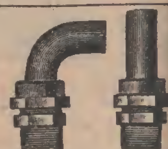
Lot No.	Lgth.	Diam.	Price, each
5-G-5118	3 ft.	12 ins.	**$24.00**
	Capacity, 18 Gallons.		
5-G-5124	4 ft.	12 ins.	**25.00**
	Capacity, 24 Gallons.		
5-G-5130	5 ft.	12 ins.	**26.00**
	Capacity, 30 Gallons.		
5-G-5140	5 ft.	14 ins.	**32.00**
	Capacity, 40 Gallons.		

Cast Iron Stand for Range Boilers

These stands are made of high grade gray cast iron. They are extra strong and are made to carry an overload far beyond the capacity we list. The height is 15 inches.

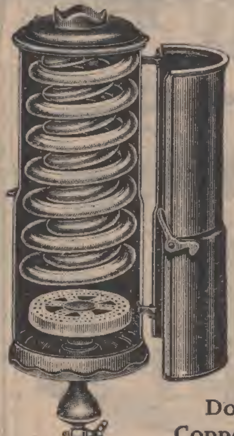
Order No.	Diam. Stand	For Boiler	Price, Each
5-G-2117	12-in	30 gal.	**$0.70**
5-G-2121	14-in.	40 gal.	**.70**
5-G-2123	16-in.	52 gal.	**1.75**

Galvanized Range Boiler Couplings



These Couplings are made of the best grade Malleable Iron heavily galvanized. Threaded for Iron Pipe Connections.

Lot No. ***5-G-2125.*** Per Set.......... **$1.30**



Gas Burning Water Heater

Fast Efficient Water Heater

Double Copper Coil

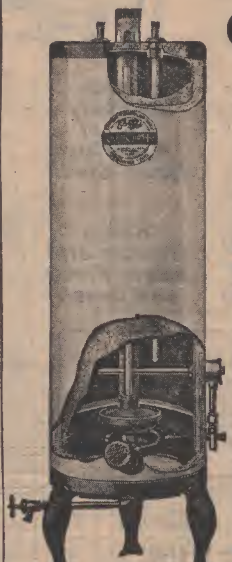
Fast heating, efficient, double copper coil water heater, designed to meet most exacting requirements.

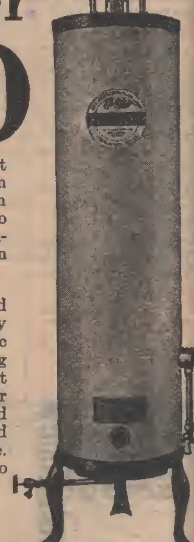
Made with double copper coil. Cast iron jacket of neat design. Hinged door forms half of jacket. All casting fired Japanned. 3-inch flue connection. ½-inch gas supply, ¾-inch water supply. Thoroughly tested.

5-G-2134. Size, 18 ins. high, 7 ins. in diameter, ¾ in. copper tubing, 18 ft. long. Weight, 28 pounds. Price, each................ **$6.75**

5-G-2136. Size, 24 ins. high, 8 ins. in diameter, with ¾ in. tube, 25 ft. long. Weight, 48 pounds. Price, each................ **$9.75**

"Merion" Automatic Storage Gas Water Heater





Small Family Size

Capacity 15 Gallons

$60

In convenience and construction, the Merion Automatic Hot Water Storage System is like a giant thermos bottle, supplying an abundance of steaming hot water—always on tap with the turn of your faucet handles. A wonderful convenience, costing no more to operate than an ordinary gas heater. Simple in construction, completely adjusted at the factory, ready for operation when it reaches you and as easily installed as a range boiler.

Extra heavy galvanized storage tank, completely surrounded by asbestos 1¼ inches thick and encased in a heavy steel body covered with beautiful blue enamel. Graduated automatic thermostat adjusts itself to different quality of gas and to varying gas pressure, controlling the burner. When tank is full of hot water, the thermostat reduces the gas flow so that the burner acts as its own pilot, eliminating objectionable pilot light and reduces your gas bills to a minimum. Quickly and easily installed by anyone—only one gas and two water connections to make. Designed to operate efficiently under all conditions, nothing to cause trouble or get out of order.

5-G-2201. Small family size No. 1. For small homes, apartments, and barber shops. Size 14x38 inches. Capacity 15 gallons. Complete........................ **$60.00**

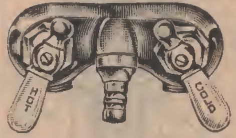
5-G-2202. Family size No. 2. For homes with one bath, laundry and kitchen fixtures or where a good volume of hot water is required. Size over all, 14x50 inches. Capacity 20 gallons. Complete............ **$70.00**

5-G-2203. Size No. 4 for duplex or two family houses or large home with two or three baths. Size over all 18x50 inches. Capacity 36 gallons. Complete..... **$90.00**

Faucets-Cocks & Plumbing Accessories

Indexed Compression Double Bath Cock

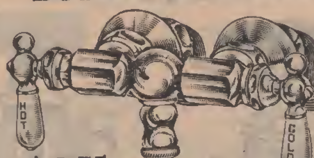
$2.75



Made of brass, nickel plated; china index lever handles. The large chamber at back thoroughly mixes water.

5-G-3104. Price with lead pipe, tall pieces.................**$2.75**
5-G-3106. Price with iron pipe, tall pieces..............**$3.25**

Indexed Fuller Double Bath Cock



$2.75

Made of heavy cast brass, handsomely nickel plated. Guaranteed to be the best cock on the market.
5-G-3101. Price with lead pipe, tall piece..................**$2.75**
5-G-3103. Price with iron pipe, tall piece..................**$3.25**

Fuller Basin Cock

$1.40

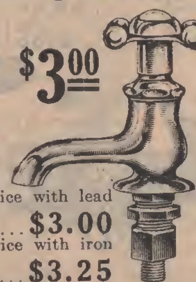
Cast brass, heavy design, finely nickel plated. Generally sold in pairs, one right and one left hand, but will single. State whether right or left hand is required.

5-G-3110. Price with iron pipe, tall piece. Each......**$1.40**

Self Closing Faucet

Compression Nickel-Plated Self-Closing Faucet with china top marked "Hot" or "Cold." Low pattern. Mention index wanted.

$3.00



5-G-3122. Price with lead pipe, tall pieces............**$3.00**
5-G-3124. Price with iron pipe, tall pieces............**$3.25**

Supply and Flush Pipes for High Closet Tanks

Offset Supply Pipe

5-G-3194.
Nickel Plated; made of ⅝-in. heavy brass tubing; use with high tank closet outfits, each,

$1.75

Offset Flush Pipe

5-G-3193.
Nickel Plated; use with high tank closet outfits. Heavy brass tubing, 1¼ in. x 5½ ft. long, 3 in. offset, 1⅝ in. collar.

$1.85

Basin Supply Pipes

5-G-3171. Nickel plated Basin Supply Pipes to wall, plain, made of heavy ⅜ in. brass tubing fitted with coupling to fit basin cock, nickel plated flanges.
Price, per pair,

$2.00

Straight Basin Supply Pipes

5-G-3173. Straight basin supplies made of heavy tubing. Size ⅜ inch, fitted with nickel plated coupling threaded to fit basin cocks, furnished with nickel plated floor flanges. Price, per pair............**$2.00**

Bath Tub Supply Pipes

5-G-3167.

Nickel plated straight bath supply pipes, made of heavy ½ inch tubing fitted with coupling, threaded to connect with tall pieces on bath cock, complete with floor flanges.

Price, per pair.....**$2.00**

Made of cast brass, heavy design, nickel plated; white china handles indexed "hot" or "cold." Generally sold in pairs, but if ordered single, state whether right or left and hot or cold faucet is wanted.
5-G-3110½. Price with iron pipe, tall piece, each.......**$1.65**

Handsome, serviceable heavily nickel plated Basin Cock. The body and spout are cast solid in one piece. White porcelain plate marked "Hot" or "Cold." If not ordered in pairs, be sure and state index desired.
5-G-3125. Price with iron pipe, tall piece, each..............**$1.00**

Heavily nickel plated basin cock, serviceable and attractive. Body and spout in one piece. Fitted with white porcelain lever handle. When ordering, state whether right or left cock is wanted.
5-G-3126. Price with iron pipe, tall piece, each...............**$1.10**

Lavatory "P" Traps to Wall

LAVATORY TRAPS

Made of brass tubing. Is heavily nickel plated.
5-G-3145. 1¼-inch nickel plated plain "P" trap. For lead pipe connections. Price, ea. **$2.25**
5-G-3146. 1¼-inch nickel plated plain "P" trap. For iron pipe connection. Price, each........**$2.75**

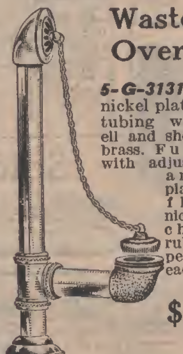
Nickeled Safety Chain

5-G-5900. Nickel plated safety chain used on plugs, stoppers, closet puller, etc.
Price, per yard.................**10c**

Closet Screws and Washers

5-G-3191. Nickel Plated Heavy Pattern Head Closet Screws and Washers, 2¼ inches under the head. Price, per set of 12 pieces..........................**15c**

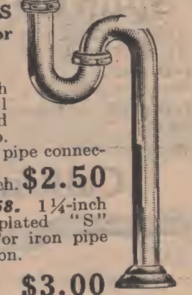
Connected Bath Waste and Overflow



5-G-3131. Heavy nickel plated brass tubing with nuts, ell and shoe of cast brass. Furnished with adjustable tee and nickel plated floor flange; nickel plated chain and rubber stopper. Price, each,

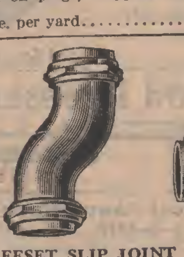
$2.40

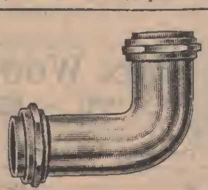
Lavatory "S" Traps To Floor

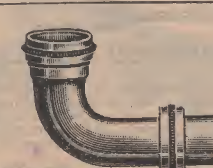


1¼ and 1½ inch

5-G-3157. 1¼-inch nickel plated "S" trap. For lead pipe connection. Price, each. **$2.50**
5-G-3158. 1¼-inch nickel plated "S" trap. For iron pipe connection.
Price, each.......**$3.00**







OFFSET SLIP JOINT CONNECTIONS

5-G-3197. Made of brass, nickel plated. Size, 2x2x6 inches. For use with low-down closet tanks and syphon jet bowls.
Price, each..........**95c**

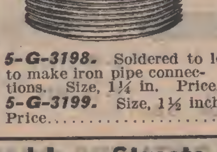
SLIP JOINT CONNECTION

5-G-3185. These elbows are made of brass and are heavily nickel plated. Sizes 2x4x3 in., to be used with low-down closet tanks and wash-down bowls.
Price, each..........**90c**

ONE-QUARTER BEND SLIP JOINT CONNECTION

5-G-3196. Heavily Nickel Plated Brass Slip Joint Connections, size 1¼ inch by 1¼ inch, for use with high closet tanks and wash down bowls. Price, each...**70c**

Soldering Bushing



5-G-3198. Soldered to lead pipe to make iron pipe connections. Size, 1¼ in. Price.. **20c**
5-G-3199. Size, 1½ inch. Price.............................**24c**

Cock Hole Covers

5-G-3190. Porcelain Enameled Cock Hole Covers for bath tubs, sinks and lavatories.
Price, each............**20c**

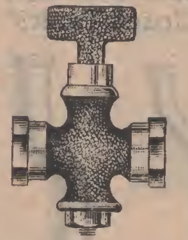
Stop Cocks & Plumbing Accessories

Gasoline Blow Torch

5-G-2911. Equipped with soldering iron attachment. Made of heavy brass and has non-leakable valves. The safest and best torch on the market. Fully guaranteed.

Capacity, 1 qt. Price... **$5.95**

Compression Stop Cock

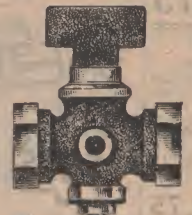


"T" Handle Brass Stop for Iron Pipe.

5-G-3011.	Each
Size, ½ inch..	**$0.53**
Size, ¾ inch..	**.75**
Size, 1 inch..	**1.32**
Size, 1¼ inch..	**2.25**
Size, 1½ inch..	**3.75**

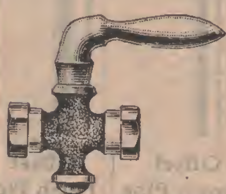
5-G-3012. Improved automatic compression waste valve. First or last half turn of handle closes or opens flow. Cannot waste under full compression. Threaded for iron pipe.

Size, ½ inch.........	**$0.65**
Size, ¾ inch.........	**.78**
Size, 1 inch.........	**2.00**



"T" Handle Brass Stop and Waste for Iron Pipe.

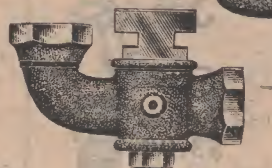
5-G-3013.	Each
Size, ½ inch..	**$0.55**
Size, ¾ inch..	**.77**
Size, 1 inch..	**1.35**
Size, 1¼ inch..	**2.30**
Size, 1½ inch..	**3.80**



Lever Handle Brass Stop for Iron Pipe.

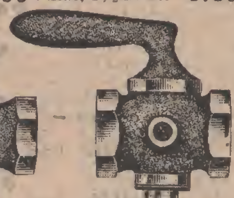
5-G-3019.

Size	Each
½ inch.......	**$0.53**
¾ inch.......	**.75**
1 inch.......	**1.32**
1¼ inch.......	**2.25**
1½ inch.......	**3.75**



Brass Hydrant Cock with Waste for Iron Pipe.

5-G-3027.	Each
Size, ¾ inch........	**$1.40**
Size, 1 inch........	**2.05**
Size, 1¼ inch........	**3.25**



Lever Handle Brass Stop and Waste for Iron Pipe.

5-G-3021.

Size	Each
½ inch........	**$0.55**
¾ inch........	**.77**
1 inch........	**1.35**
1¼ inch........	**2.30**
1½ inch........	**3.80**

Gasoline Blast Furnace

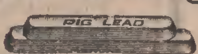
5-G-2913. Fitted with shield to hold melting pot. This furnace will produce quicker and hotter flame than any other furnace of its kind on the market.

Price.................... **$6.25**

Plumbers' Solder

5-G-2895. Made of proper proportions of pure block tin and pig lead. Comes in bars weighing about 1¼ lbs. each. We sell full bars only. Guaranteed to be the best plumbers' solder on the market. Price, per bar........ **60c**

Pig Lead for Calking



5-G-159. Pig lead for calking and all plumbing work.
Per pound................ **18c**

Babbitt Metal

Intended to be used in bearings of various kinds. The different grades of babbitt that we offer we guarantee to be of the very best composition.

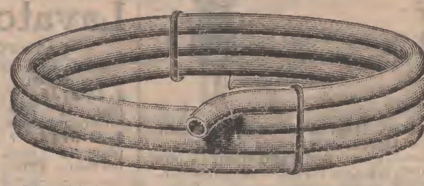
PREMIER BABBITT

5-G-6503. A special mixture embodying anti-friction ingredients, used on high speed engines. Price, per pound......................... **35c**

No. 3 BABBITT METAL

5-G-6507. Used for bearings of low speed machinery. Price, per pound............ **13c**

LEAD PIPE



We will furnish this pipe cut in lengths you may require. Prices are based on present market conditions. We will offer Lead Pipe subject to market changes.

5-G-2301. For waste pipe:

Diameter, inch..........	1¼	1½	2	4
Weight, per foot..........	2 lb.	3 lb.	4 lb.	5 lb.
Price, per foot..........	36c	54c		

5-G-2803. Strong Lead Pipe.

Diameter, inches..........	⅝	¾
Weight, per foot..........	2½ lb.	3 lb.
Price, per foot..........	46c	55c

Sheet Lead

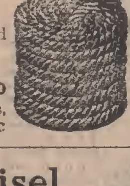
5-G-2805. Sheets are 24 inches wide.

Thickness, inches..................	1/32	1/16
Weight, per square foot..........	2 lbs.	4 lbs.
Price, per square foot............	**40c**	**80c**

Melting Pots

5-G-2915. To be used in connection with our Gasoline Bulb Blast Furnace. Price.................. **50c**

Spun Oakum



Used for calking soil pipe and fittings. Comes in 50 lb. bales.

5-G-2907.
Price, per full bale........ **$5.50**

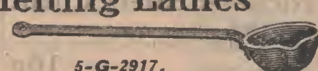
5-G-2908. In less than full bales, per lb...................... **12c**

Soldering Outfit

A handy outfit for the man who wants to do repair work around the house. For outside work, we suggest that you include one of our blow torches described on this page. Five pieces complete: 1-lb. Soldering Copper, with handle; 1 Plumber's Scraper; 1 Bar of Solder, about 1¼ lbs.; 1 Coil of Wire Solder, ¼ lb.; 1 Piece of Rosin.

5-G-4900 .... **$1.25**

Melting Ladles



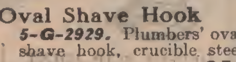
5-G-2917.

Size, across bowl, inches............	3	5
Price..........................	**45c**	**68c**

Calking Chisel

5-G-2923. Plumbers' calking chisel, made of special tool steel. Price, each...................................... **25c**

Box Wood Dresser



5-G-2935. Plumbers' Box Wood Dresser.
Price, each.............................. **$1.00**

Yarning Irons

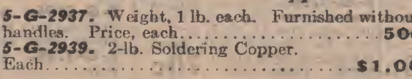
5-G-2925. Plumbers' yarning iron, made of special tool steel. Price, each.......... **25c**

Bending Springs

5-G-2897. Used for bending lead pipe. Made of the best quality of spring steel.

Size, inches..........................	1¼	1½
Price, each..........................	**50c**	**58c**

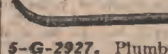
Soldering Coppers



5-G-2937. Weight, 1 lb. each. Furnished without handles. Price, each.......................... **50c**

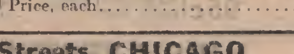
5-G-2939. 2-lb. Soldering Copper.
Each.................................. **$1.00**

Oval Shave Hook



5-G-2929. Plumbers' oval shave hook, crucible steel blade. Price, each.......................... **25c**

Bending Pins



5-G-2927. Plumbers' bending pins.
Price, each.................................. **20c**

Best Faucets, Bibbs and Cocks

Compression Plain Bibbs

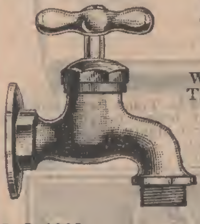
90c
With Flange
Threaded for
Iron Pipe
Nickel Plated

5-G-2959.
Size, ½ inch.................90c
5-G-2961.
Size, ⅝ inch.............$1.20
Brass finished 20c less

80c
Threaded for
Iron Pipe
Nickel Plated

5-G-2951.
Size, ½ inch.................80c
5-G-2953.
Size, ⅝ inch.................97c
Brass finished 20c less

Compression Hose Bibbs



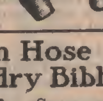
$1.05
With Flange
Threaded for
Iron Pipe
Nickel
Plated

5-G-2963.
Size, ½ inch.............$1.05
5-G-2965.
Size, ⅝ inch.............$1.30
Brass finished 20c less

90c
Threaded for
Iron Pipe
Nickel Plated

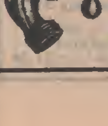
5-G-2955.
Size, ½ inch.................90c
5-G-2957.
Size, ⅝ inch.............$1.10
Brass finished 20c less

Plain Compression Laundry Bibb



5-G-3501. Polished brass. For ½ inch iron pipe. Shipping weight, about 8 oz.
Price..........45c

Compression Hose Laundry Bibb



5-G-3502. Same as No. 5-E-3501, but for ¾ inch hose connection.
Price..........50c

Swinging Mixing Faucets

Complete With Soap Dish

$7.00

Swinging Mixing Sink Faucet

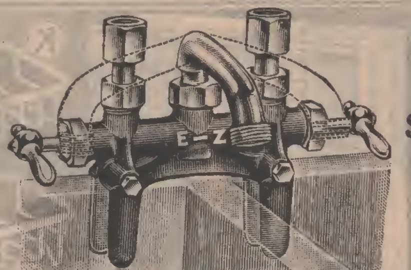
5-G-1603. Latest improved swinging mixing faucet for kitchen sinks. Made of heavy brass, highly nickel plated. Fitted with white China handles indexed for hot and cold water. The long spout mixes hot and cold water to just the right temperature and distributes the flow to all parts of the sink. White porcelain China soap dish supported by neat nickel plated bracket attached to top of faucet. Designed to fit standard openings in kitchen sinks. Made with flange and threaded for ½ inch pipe connections. Price, each..........$7.00

White China Indexed Handles

$6.00

Swinging Mixing Sink Faucet

5-G-1604. Mixing faucet with swinging spout for kitchen sinks. Designed to fit standard openings of all sinks. White China handles indexed for hot and cold water. Long spout mixes hot and cold water to the right temperature and enables you to distribute the flow practically to any part of the sink. Made with flange and threaded for ½ inch iron pipe connections. Made of brass highly nickel plated.
Price, each..........$6.00



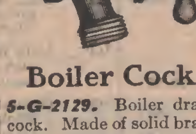
Saves Time and Fittings

$3.50

Swinging Mixing Laundry Tub Faucet

5-G-1605. Improved laundry tub faucet. Quickly and easily connected to any laundry tub; saves more than half of the time required for installation and more than its cost in fittings alone. The long spout mixes water to the right temperature and enables you to distribute the flow to both compartments of your laundry tub. Made of brass highly nickel plated. Fitted with adjustable lock nuts threaded for iron pipe connections. Price, each..........$3.50

Boiler Cock



5-G-2129. Boiler drain cock. Made of solid brass in rough finish. Threaded for standard hose couplings, ½ inch connection to range or heating boiler.
Price, each.......40c

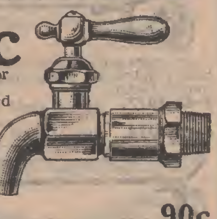
Sill Cock

5-G-3035. Compression sill cock with ¾ inch threaded for standard hose coupling and threaded for connection to ¾ inch iron pipe. Made of brass in rough finish with iron wheel.
Price, each.......75c

Sill Cock

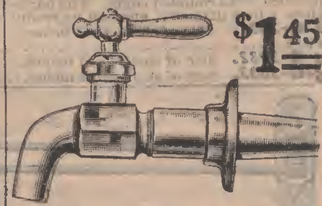
5-G-3500.
Compression sill cock with loose key. Made of polished brass. Cast key. Size, ¾ inch. Protects your water supply and prevents leakage.
Price, each......85c

Fuller Pattern Plain Bibbs



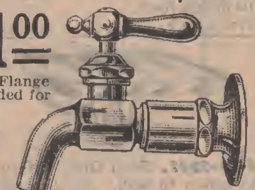
90c
Threaded for
Iron Pipe
Nickel Plated

5-G-2967.
Size, ½ inch.................90c
5-G-2969.
Size, ⅝ inch.............$1.00
Brass finished 15c less



$1.45

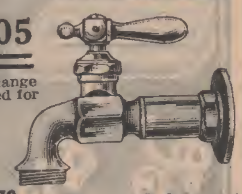
With Flange for Lead Pipe Connection. Nickel Plated.
5-G-2991.
Size, ½ inch.............$1.45
5-G-2993.
Size, ¾ inch.............$1.55



$1.00
With Flange
Threaded for
Iron
Pipe
Nickel
Plated

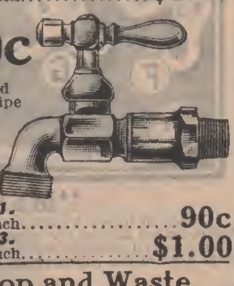
5-G-2975.
Size, ½ inch.............$1.00
5-G-2977.
Size, ⅝ inch.............$1.25

Fuller Pattern Hose Bibbs



$1.05
With Flange
Threaded for
Iron
Pipe
Nickel
Plated

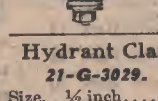
5-G-2979.
Size, ½ inch.............$1.05
5-G-2981.
Size, ⅝ inch.............$1.20



90c
Threaded
for Iron Pipe
Nickel
Plated

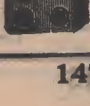
5-G-2971.
Size, ½ inch.................90c
5-G-2973.
Size, ⅝ inch.............$1.00

Stop and Waste



"T" Handle Brass Stop and Waste for Lead Pipe.
5-G-3017.
½ inch.....60c
⅝ inch.....85c

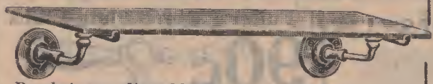
Hydrant Clamps



21-G-3029. Each
Size, ½ inch...... 8c
Size, ¾ inch...... 9c
Size, 1 inch...... 10c
Size, 1¼ inch...... 11c

Latest Bathroom Fixtures

Plate Glass Shelves



Brackets are adjustable solid brass, nickel-plated and highly polished. Plate glass shelf is polished and has rounded edges.

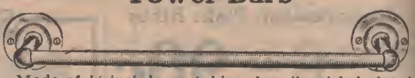
5-G-3027. Size of shelf, 18x5 inches.
Price.................................**$1.50**
5-G-3028. Size of shelf, 24x5 inches.......**$1.80**

Bath Spray

Rubber bound, brass, nickel plated spray, 3 inches diameter, with 5 feet pure white rubber tubing, with holdfast rubber bulb.

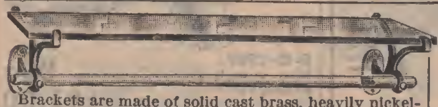
5-G-3019.
Price, each....**90c**

Towel Bars



Made of ½-inch brass tubing, heavily nickel-plated with cast posts, complete with screws. Each

5-G-3085. 15 inches long................**75c**
5-G-3087. 18 inches long..................**80c**
5-G-3089. 21 inches long..................**83c**
5-G-3091. 24 inches long..................**86c**



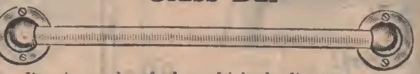
Brackets are made of solid cast brass, heavily nickel-plated and polished. The shelf is made of plate glass, polished, with rounded edges. The bar is of solid round glass. 1 inch diameter, and can be readily removed.

5-G-3031. Size of shelf, 18x5 inches.
Price.................................**$3.70**
5-G-3032. Size of shelf, 24x5 inches.......**$4.00**
5-G-3033. Size of shelf, 30x5 inches....... **4.25**

Detachable Hand Brush. The ideal thing for your bath room. Made of the highest class bristles and warranted to wear. Its construction is such that it will last a good many years.

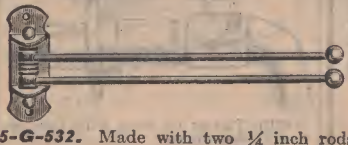
5-G-3201. Each.............................**40c**

Glass Bar



Bar is made of clear ⅝ inch diameter. Posts are cast brass, heavily nickel plated and complete with screws. Each

5-G-3061. 15 inches long...............**90c**
5-G-3062. 18 inches long..............**$1.00**
5-G-3063. 24 inches long.............. **1.15**



5-G-532. Made with two ¼ inch rods 10 inches long.
Price, each.........................**95c**

5-G-533. Made with three ¼ inch rods 10 inches long.
Price, each....................**$1.15**

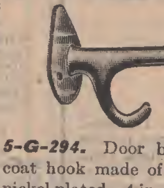
5-G-3065. Tumbler Holders. Solid brass, heavily nickel-plated and highly polished. Complete, with screws.
Price, each.......**60c**

5-G-3066. Tumbler and tooth brush holder combined. Solid brass, heavily nickel-plated and highly polished. Complete with screws.
Price, each...............**69c**

5-G-3075. The rods are heavily nickel-plated, ends are rubber covered to protect bath tub. The seat is of finished oak. Will fit any bath tub. Size, 18x6 in. Price, each............................**90c**

5-G-3025. Same as above, 5-coat white enamel finish. The handsomest Bath Seat made.
Price, each.......................................**$1.00**

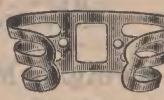
5-G-3041. Soap Dish. Made to fasten to wall. Solid brass, heavily nickel plated and highly polished. Complete with screws.
Price, each............**55c**



98c

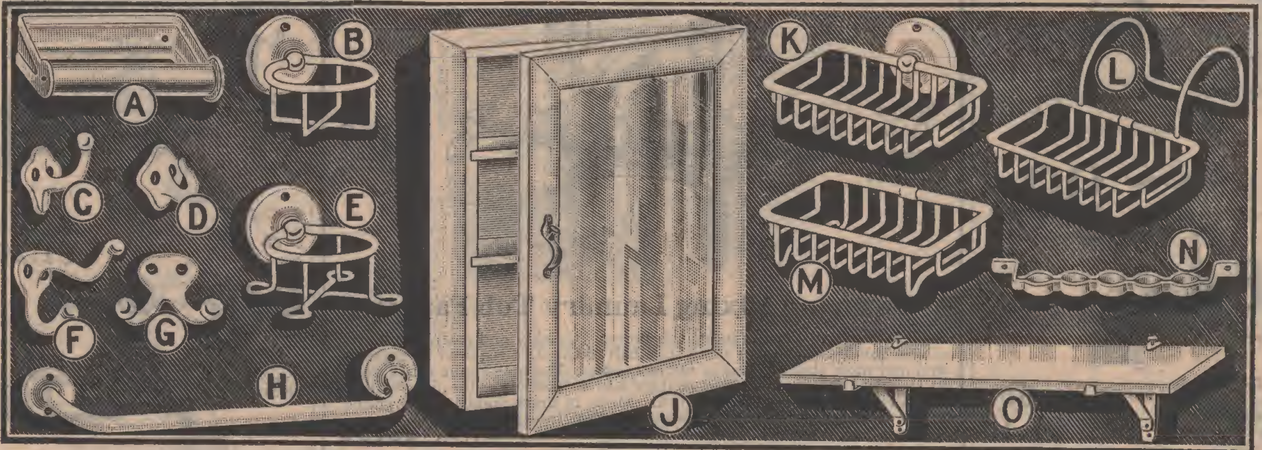
5-G-294. Door bumper and coat hook made of cast brass; nickel plated. 4 in. long.
Price, each.............**98c**

5-G-291. Water bag hook made of cast brass. Nickel plated. 5 inches long.
Price, each.....**70c**



5-G-3035. Whisk broom holder. Made of brass, heavily nickel plated, highly polished, and complete with Screws. Price, each....**30c**

5-G-3003. Toilet Paper Holder. Made of brass, heavily nickel-plated and highly polished, with ebony roller.
Price, each...............**22c**



"Maid-EN-White" and Nickel-Plated Bathroom Fixtures

Made of heavy weight material, beautifully designed and smoothly finished. Nickel-plated fittings are guaranteed not to peel or tarnish. The white enameled fittings are guaranteed not to crack, peel or discolor. By a special process, the parts used in the construction of these fittings are joined together by expanding the metal so that the entire piece is practically one. No solder is used on these fixtures. All "Maid-EN-White" fixtures requiring screws are furnished with white enameled screws; nickel-plated fixtures with nickel-plated screws.

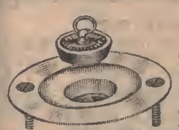
Item		White Enameled	Nickel Plated
"A"	Toilet Paper Holder........	$0.55	$0.30
"B"	Tumbler Holder............	.57	.30
"C"	Single Robe Hook.........	.25	.10
"D"	Razor Strap Hook.........	.25	.10
"E"	Tooth Brush and Tumbler Holder..................	.70	.40
"F"	Double Robe Hook........	.25	.15
"G"	Twin Robe Hook..........	.25	.15
"H"	One-Piece Towel Bars, 18 inches long..............	.95	.65
"H"	One-Piece Towel Bars, 24 inches long..............	1.15	.80
"H"	One-Piece Towel Bars, 30 inches long..............	1.50	1.00
"K"	Wall Soap Dish, 4¾x3¼x 1¾, Medium Size.......	.85	.50
"K"	Wall Soap Dish, 5½x4x1¼, Large Size..............	.90	.60

Item		White Enameled	Nickel Plated
"J"	Wood Medicine Cabinet, 15½ inches high, 11½ inches wide. White enameled French plate mirror..	$4.00	
"L"	Bathtub Soap Dish, 4¾x 3¼x1¼, Medium Size...	.65	$0.55
"L"	Bathtub Soap Dish, 5½x4x 1¼, Large Size..........	.85	.65
"M"	Stand Soap Dish, 4¾x3¼x 1¼, Medium Size.......	.45	.25
"M"	Stand Soap Dish, 5½x4x 1¼, Large Size..........	.63	.40
"N"	Tooth Brush Holder.......	.32	.15
"O"	Milk White Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, enameled brackets, 18 ins. long. $2.30		

Item		
"O"	Milk White Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, enameled brackets. 24 inches long.....	$2.50
"O"	Milk White Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, enameled brackets. 30 inches long.....	$2.85
"O"	Crystal Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, nickel-plated brackets. 18 inches long..	$1.10
"O"	Crystal Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, nickel-plated brackets, 24 inches long.	$1.25
"O"	Crystal Glass Shelf, 5 inches wide, ¼ inch thick, edges rounded and polished, nickel-plated brackets. 30 inches long.	$1.50

General Plumbing Accessories

Sink Plugs



5-G-1729. Furnished complete as illustrated, nickel-plated. Each....**25c**

Sink Brackets

5-G-1723. Black Japanned steel sink bracket of neat design, strong and substantial. For sinks 18 ins and 16 ins., per pair. **60c**
For sinks 20 ins. and larger, per pair....................**75c**

Force Cups

5-G-3033. Used to force obstruction from closets, lavatories and sinks. Place the rubber cup over the opening and press down; this will form a suction and remove almost any obstruction, saving a plumber's bill which will easily pay for the force cup many times over.
Without handle.
Price, each................**35c**

Low Tank Closet Valves

5-G-1300.

High grade pure rubber low tank closet valves. Choice of three sizes. Replace your leaky valve and water you are now wasting. They are quickly and easily replaced. Shipping weight about 6 ounces.

2 inch. Price............**20c**
2½ inch. Price............**24c**
2¾ inch. Price............**30c**

Rubber Fuller Balls

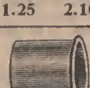
5-G-1302. Rubber Balls for Fuller bibbs. Sizes for bibbs, ½, ⅝. State size wanted and whether for hot or cold water. Shipping weight, 2 balls, about 2 ounces.
Price for 2 balls............**5c**

Combination Ferrules

Lead and Iron
5-G-2817.

		Length, inches. 6	12
1¼x2 ins.	Price, ea...	$0.63	$0.95
1½x2 ins.	Price, ea...	.65	1.00
2 ins.	Price, ea...	.70	1.15
4 ins.	Price, ea...	1.25	2.10

Brass Ferrules



Used in connecting lead waste pipe to soil pipe.
5-G-2843. 4x4 ins. Each..**50c**

Lead Bends

Standard Grades

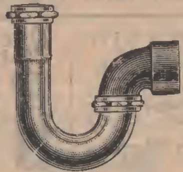
Short Bends.
5-G-2831. 4x12. Each..**$2.50**
Long Bends
5-G-2837. 4x18. Each..**$3.35**

Lead and Brass Traps

Lead "S" Trap

Short Lead "S" Traps with iron pipe connections on outlet end.
5-G-2857. 1¼ ins.
Price, each....**$1.35**
5-G-2859. 1½ ins.
Price, each....**$1.75**

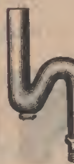
1½ "P" Trap



5-G-2704. Nick el Plated Brass "P" Trap, fitted with 1½ inch adjustable lock nut and 1½ inch cast brass elbow threaded for iron pipe connection. Shipping weight about 12 ounces.
Price, each.......**$1.35**

Lead "S" Trap

Short Lead "S" Traps, plain ends in two standard sizes.
5-G-2851. 1¼ ins.
Each............**85c**
5-G-2853. 1½ ins.
Each.........**$1.25**



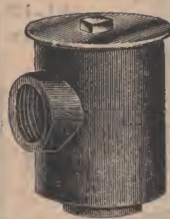
Long Lead "S" Traps, with iron pipe connection on outlet end.
5-G-2871. 1¼ ins.
Price, each......**$2.00**
5-G-2873. 1½ ins.
Price, each......**$2.40**

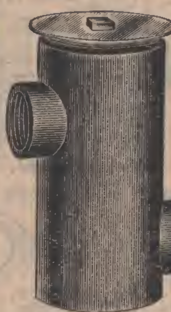
Long Lead "S" Traps with plain ends. Two standard sizes.
5-G-2863. 1¼ ins.
Price, each......**$1.45**
5-G-2865. 1½ ins.
Price, each......**$1.95**

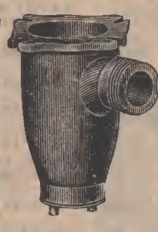
Half "S" or "P" Traps, with iron pipe connection on outlet end.
5-G-2887. 1¼ ins.
Price, each......**$1.25**
5-G-2889. 1½ ins.
Price, each......**$1.60**

Half "S" or "P" Lead Traps, in two standard sizes.
5-G-2879. 1¼ ins.
Price, each.........**75c**
5-G-2881. 1½ ins.
Price, each......**$1.10**

Iron and Lead Traps







Cast Iron Bath Traps

5-G-2811.

Complete with nickel plated covers for sinks, laundry tubs, bath tubs, etc. Tapped side and bottom for 1½ in. iron pipe.
4x5x1½ ins...**95c**

5-G-1532.

Size, 4x8 inches. Tapped both sides for 1½ in. pipe. Ship. wt. about 15¼ lbs.
Price....**$1.15**

Lead Drum Traps

5-G-2815.

With nickel plated brass trap screw, size 4x9 inches.
Each....**$3.25**

Cast Iron Sink Traps

5-G-1537.

Cast iron with brass cleanout plug connected direct to sink with bolts. Tapped for 1¼ in. pipe connection. Ship. wt. about 4½ lbs.
Price.........**85c**

Lead Bends

With Ferrules

Width, 5½ inches, Inlet.
5-G-2819. 4x12. Each.....**$3.20**
5-G-2821. 4x14. Each..... **3.35**
5-G-2825. 4x18. Each..... **3.95**

Closet Bends

Cast Iron

5-G-2839. Adjustable Flange Closet Bend. Size, 4x15 inches. Tapped both sides for 1½ inch iron pipe. Shipping weight about 18 lbs.
Price.........................**$1.30**
5-G-2839⅜. Plain Bend, 4x15 inches, not tapped. Price..........**$1.05**

Sink Strainers

5-G-1727. Nickel-plated sink strainers. Each..**15c**

Sink Couplings

Illustration at left shows sink couplings for lead pipe connections.

Illustration at right shows sink couplings for iron pipe connections.

5-G-1737. Cast iron couplings for lead pipe connections..........**6c**

5-G-2739. Cast iron couplings for 1¼ inch and 1½ inch iron pipe connections. Each.............**20c**

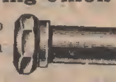
Bath Tub Plugs

5-G-3143. Heavily nickel plated for lead pipe.
Price...........**$1.25**
5-E-3144. Heavily nickel plated for iron pipe.
Price...........**$1.50**

Sink Bolts

5-G-1733. Screw head bolts for cast iron sinks.
Each........................**2c**

Brass Soldering Union



5-G-2905. Used to connect lead with iron.

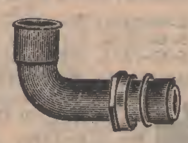
Size, inches...	⅜	½	¾	1
Price, each...	15c	20c	25c	33c
Size, inches........	1¼	1½	2	
Price, each.........	43c	49c	60c	

Brass Soldering Nipple

5-G-2903. Used to connect lead with iron pipe.

Size, inches........	½	¾	1
Price, each.........	14c	20c	27c
Size, inches........	1¼	1½	2
Price, each.........	35c	50c	68c

Rubber Extension Elbows



5-G-2901. Used to connect flush pipe with closet bowl; can be applied by anyone. Saves plumbers' bills. Adjustable from 3¼ to 5¼ inches from end of coupling to center of elbow.
Size, inches................. 1¼
Price, each................... 25c

GUARANTEED SOIL PIPE AND FITTINGS

Cast Iron

SINGLE HUB SOIL PIPE

No. 5-G-2301. 2 in. Std. single hub..... $0.90
No. 5-G-2303. 2 in. Ex. Hvy. single hub.... 1.20
No. 5-G-2305. 4 in. Std. single hub..... 1.55
No. 5-G-2307. 4 in. Ex. Hvy. single hub.... 2.50

Please Read!
Every length of soil pipe is thoroughly tested and fully guaranteed. Comes to you in 5 ft. lengths only.

DOUBLE HUB SOIL PIPE

No. 5-G-2302. 2 in. Std. double hub.....$0.95
No. 5-G-2304. 2 in. Ex. Hvy. double hub... 1.25
No. 5-G-2306. 4 in. Std. double hub..... 1.65
No. 5-G-2308. 4 in. Ex. Hvy. double hub... 2.60

QUARTER BENDS

No. 5-G-2309. 2 inch Standard 30c
No. 5-G-2311. 2 in., Ex. Hvy 41c
No. 5-G-2313. 4 in., Standard..... 52c
No. 5-G-2315. 4 in., Ex. Hvy.. 63c

QUARTER BENDS—SIDE INLET—RIGHT OR LEFT HAND

No. 5-G-2317. 4 in., Std., 2 in. inlet..... 92c
No. 5-G-2319. 4 in., Ex. Hvy.. 2 in. inlet... $1.15
Cut shows right side inlet.

QUARTER BENDS—HEEL INLET

No. 5-G-2325. 4 in. Std., 2 in. Inlet..... 92c
No. 5-G-2327. 4 in. Ex. Hvy., 2 in. inlet. $1.15

QUARTER BENDS—DOUBLE HUB

No. 5-G-2333. 4 in., Standard..... 90c
No. 5-G-2335. 4 in., Ex. Hvy..... $1.04

LONG QUARTER BENDS

No. 5-G-2341. 4x18 in., Standard..... $1.12

No. 5-G-2343. 4x18 in., Extra Hvy..... $1.38

SIXTH BENDS

No. 5-G-2345. 2 in., Standard..... 30c
No. 5-G-2347. 2 in., Ex. Hvy..... 33c
No. 5-G-2348. 4 in., Standard..... 44c
No. 5-G-2349. 4 in., Ex. Hvy.. 55c

EIGHTH BENDS

No. 5-G-2350. 2 in., Standard..... 26c
No. 5-G-2351. 2 in., Ex. Hvy..... 30c
No. 5-G-2353. 4 in., Standard..... 44c
No. 5-G-2355. 4 in., Ex. Hvy.. 55c

"T" BRANCHES

No. 5-G-2357. 2x2 Standard..... 40c
No. 5-G-2359. 2x2 Extra Hvy..... 56c
No. 5-G-2360. 4x2 Standard..... 63c
No. 5-G-2361. 4x2 Extra Hvy..... 82c
No. 5-G-2363. 4x4 Standard... 86c
No. 5-G-2365. 4x4 Ex. Hvy.. $1.04

SANITARY "T" BRANCHES

No. 5-G-2367. 2x2 Standard..... 41c
No. 5-G-2369. 2x2 Extra Hvy..... 56c
No. 5-G-2371. 4x2 Standard..... 63c
No. 5-G-2373. 4x2 Ex. Hvy... 81c
No. 5-G-2375. 4x4 Standard... 83c
No. 5-G-2377. 4x4 Ex. Hvy. $1.04

SANITARY "T" BRANCH

With Side Inlet Tapped 1½ in. for Iron Pipe, Right or Left Hand.
No. 5-G-2379. 4x4 in., tapped 1½ in., Std.. $1.78
No. 5-G-2381. 4x4 in., tapped 1½ in., Extra Heavy..... $1.97

VENTILATING BRANCHES WITH SIDE INLET

No. 5-G-2569. 4x2 Standard..... $1.04
No. 5-G-2571. 4x2 Extra Heavy..... $1.52

SANITARY "T" BRANCH WITH SIDE INLET—RIGHT OR LEFT HAND

Cut shows L. H. Inlet.
No. 5-G-2383. 4x4, with 2 in. inlet, Standard... $1.58
No. 5-G-2385. 4x4, with 2 in. inlet, Ex. Hvy.... $1.77

SANITARY "T" BRANCH TAPPED FOR IRON PIPE

No. 5-G-2407. 2 x 1½ Standard..... 56c
No. 5-G-2409. 2x1½ Ex. Hvy..... 67c
No. 5-G-2411. 2x2 Standard..... 56c
No. 5-G-2413. 2x2 Extra Hvy..... 67c
No. 5-G-2415. 4x1½ Standard.. 93c
No. 5-G-2417. 4x1¼ Extra Heavy..... $1.25
No. 5-G-2419. 4x1½ Standard..... 93c
No. 5-G-2421. 4x1½ Extra Heavy..... $1.25
No. 5-G-2423. 4x2 Standard..... 93c
No. 5-G-2425. 4x2 Extra Heavy..... $1.25

"T" BRANCH WITH HAND HOLE FOR CLEAN OUT

No. 5-G-2431. 4 in., Standard..... $1.47
No. 5-G-2433. 4 in., Ex. Hvy..... $1.70

CROSSES

No. 5-G-2439. 4 x4 Standard..... $1.33
No. 5-G-2441. 4x4 Ex. Hvy..... $1.60

SANITARY CROSSES

No. 5-G-2447. 4 x 2 Standard..... $1.33
No. 5-G-2449. 4x2 Ex. Hvy..... $1.60
No. 5-G-2451. 4 x 4 Standard..... $1.33
No. 5-G-2453. 4x4 Ex. Hvy..... $1.60

TAPPED CROSSES

Side Opening for Standard Iron Pipe.
No. 5-G-2459. 2x1½ Standard..... 86c
No. 5-G-2461. 2x1½ Extra Heavy..... $1.04
No. 5-G-2463. 2x2 Standard..... 86c
No. 5-G-2465. 2x2 Extra Heavy..... $1.04
No. 5-G-2471. 4x1½ Standard..... $1.04
No. 5-G-2473. 4x1½ Extra Heavy..... $1.36
No. 5-G-2475. 4x2 Standard..... $1.04
No. 5-G-2477. 4x2 Extra Heavy..... $1.36

SANITARY CROSSES TAPPED FOR STANDARD IRON PIPE

No. 5-G-2483. 2 x 1½ Standard..... 93c
No. 5-G-2485. 2x1½ Ex. Hvy..... $1.15
No. 5-G-2487. 2x2 Standard..... 93c
No. 5-G-2489. 2x2 Extra Heavy..... $1.15
No. 5-G-2495. 4x1½ Standard..... $1.30
No. 5-G-2497. 4x1½ Extra Heavy..... $1.58
No. 5-G-2499. 4x2 Standard..... $1.30
No. 5-G-2501. 4x2 Extra Heavy..... $1.58

"S" TRAPS WITH HAND HOLE AND COVER

No. 5-G-2689. 4 in. Std..... $1.73
No. 5-G-2691. 4 in. Ex. Hvy.... $2.29

SIDE OPENING BRANCHES TAPPED FOR IRON PIPE

No. 5-G-2387. 2x1½ Standard..... 52c
No. 5-G-2389. 2x1½ Extra Heavy..... 63c
No. 5-G-2391. 2 x 2 Standard..... 52c
No. 5-G-2393. 2 x 2 Extra Heavy..... 63c
No. 5-G-2395. 4x1¼ Standard..... 75c
No. 5-G-2397. 4x1¼ Extra Heavy..... 93c
No. 5-G-2399. 4x1½ Standard..... 75c
No. 5-G-2401. 4x1½ Extra Heavy..... 93c
No. 5-G-2403. 4x2 Standard..... 75c
No. 5-G-2405. 4x2 Extra Heavy..... 93c

"Y" BRANCHES

No. 5-G-2502. 2 x 2 Standard..... 41c
No. 5-G-2503. 2x2 Extra Heavy..... 55c
No. 5-G-2504. 4 x 2 Standard..... 63c
No. 5-G-2505. 4x2 Extra Heavy..... 81c
No. 5-G-2506. 4x4 Standard.... 86c
No. 5-G-2507. 4x4 Ex. Hvy.. $1.04

OFF-SETS

No. 5-G-2539. 2x12 Standard..... 86c
No. 5-G-2541. 2x12 Extra Heavy..... $1.04
No. 5-G-2543. 4x4 Standard..... 72c
No. 5-G-2545. 4x4 Extra Heavy..... 93c
No. 5-G-2547. 4x6 Standard..... 81c
No. 5-G-2549. 4x6 Extra Heavy..... $1.04
No. 5-G-2561. 4x12 Standard..... $1.19
No. 5-G-2563. 4x12 Extra Heavy..... $1.48

VENTILATING CAPS

No. 5-G-2599. 4x6 Standard..... 67c
No. 5-G-2601. 4 x 6 Extra Heavy..... 81c
No. 5-G-2603. 4x12 Standard..... $1.33
No. 5-G-2605. 4x12 Extra Heavy..... $1.94

PIPE RESTS

No. 5-G-2625. 2 in. Standard... 22c
No. 5-G-2627. 2 in. Ex. Hvy.... 29c
No. 5-G-2629. 4 in. Standard... 30c
No. 5-G-2631. 4 in. Ex. Hvy.... 32c

ADJUSTABLE ROOF FLANGE

Made of Galvanized Iron—will fit any pitch.

No. 5-G-1085. 1¼ in..... 90c
No. 5-G-1087. 1½ in..... 90c
No. 5-G-1089. 2 in..... $1.00
No. 5-G-1091. 4 in..... $1.20
No. 5-G-1091½. 5 in..... $1.70

TAPPED INCREASERS—SMALL OPENING TAPPED FOR STANDARD PIPE

No. 5-G-2573. 1½ to 4 in. Standard..... $1.12
No. 5-G-2575. 1½ to 4 in. Extra Heavy..... $1.37
No. 5-G-2577. 2 to 4 in. Standard..... $1.12
No. 5-G-2579. 2 to 4 inch Extra Heavy..... $1.37

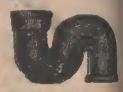
REDUCERS

No. 5-G-2581. 4 to 2 inch Standard..... 30c
No. 5-G-2583. 4 to 2 inch Extra Heavy..... 32c

DOUBLE HUBS

No. 5-G-2585. 2 inch Standard..... 30c
No. 5-G-2587. 2 inch Extra Heavy..... 33c
No. 5-G-2589. 4 inch Standard..... 45c
No. 5-G-2590. 4 inch Extra Heavy..... 56c

"S" TRAPS



No. 5-G-2634. 4 in. Standard... $1.12
No. 5-G-2635. 4 in. Ex. Hvy.... $1.38

HALF "S" TRAPS

No. 5-G-2645. 2 in. Standard..... 67c
No. 5-G-2647. 2 in. Extra Heavy.. 81c
No. 5-G-2649. 4 in. Standard..... $1.12
No. 5-G-2651. 4 inch Extra Heavy..... $1.38

RUNNING TRAPS

No. 5-G-2657. 4 in. Std.. $1.12
No. 5-G-2659. 4 in. Extra Heavy..... $1.38

ROOF PLATES

No. 5-G-2607. 4 in. Standard.. 56c
No. 5-G-2609. 4 in. Ex. Hvy.. 67c

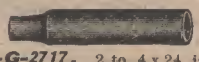
HALF "S" TRAPS WITH HAND HOLE AND COVER

No. 5-G-2713. 4 in. Std.. $1.73
No. 5-G-2715. 4 in. Extra Heavy..... $2.30

RUNNING TRAPS WITH HAND HOLE AND COVER

No. 5-G-2745. 4 in. Std.. $1.73
No. 5-G-2747. 4 in. Extra Heavy..... $2.30

LONG INCREASERS FOR CALKING



No. 5-G-2717. 2 to 4 x 24 in. long Standard..... 93c
No. 5-G-2719. 2 to 5 in., 30 in. long, Extra Heavy..... $1.15
No. 5-G-2737. 4 to 5 in., 30 in. long, Standard..... $1.48
No. 5-G-2739. 4 to 5 in., 30 in. long, Extra Heavy..... $1.80

LONG INCREASERS TAPPED FOR IRON PIPE

No. 5-G-2723. 4 x 24 tapped 2 in. Standard..... $1.65
No. 5-G-2727. 4 x 24 tapped 2 in. Extra Heavy..... $2.00

CLEAN OUT PLUGS

Iron Ferrule with Brass Trap Screw.

No. 5-G-2759. 2 in..... 35c
No. 5-G-2761. 4 in..... 45c

CAST IRON CESSPOOLS WITH BELL TRAPS

No. 5-G-2753. 6 x 6..... 50c
No. 5-G-2755. 9x9.... $1.00
No. 5-G-2757. 12x12... $1.35

Injectors and Lubricators

Leader Injector

$6.70

5-G-6002. Has no movable parts in its internal construction. No loose valves, rings or springs to get out of order. Has a great range of work under various conditions. It heats feed water to 200 degrees or more, according to conditions, making it very efficient, and by feeding through a closed "heater" efficiency is unequalled.

No. of Inj.	Size of pipes. Steam	Suction Pipe & Feed	Horse Power of Boiler Will Feed	Gallons per hour 60 lbs. Steam	Price Each
1	⅜	⅜	3 to 7	60	$ 6.70
2	⅜	⅜	7 to 10	90	7.55
3	½	½	12 to 18	150	9.20
4	½	½	18 to 25	220	10.50
5	¾	¾	25 to 35	300	12.60
6	¾	¾	35 to 45	400	14.70
7	¾	1	45 to 60	500	16.80
8	¾	1	60 to 70	600	18.90
9	1	1¼	70 to 90	750	23.10
10	1	1¼	100 to 125	1000	27.30

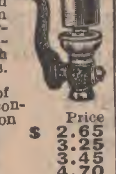
Chicago Automatic Injector

5-G-6008. Simplest automatic injector. Consists of three tubes, a body or shell and one check valve and bushing, held to place by screw thread joints and cannot drop out and become lost. The steam jet and forcing tube may be removed by monkey wrench and cleaned without breaking any pipe joints or removing injector from boiler.

Will start low from 15 to 20 lbs. steam pressure on 4 ft. lift and will work high from 135 to 145 lbs. steam pressure, or on a 20 to 22 ft. lift with a 60 to 90 lb. steam pressure. Will work water 120 to 125 degrees hot.

Size	Pipe con. Inches	Cap. per Hour Max.	H. P. based on Ordinary Tub. Boiler	Price
No. 00	⅜	80	4 to 11	$ 4.20
No. 0	½	135	10 to 19	4.75
No. 1	½	180	15 to 24	5.25
No. 2	¾	260	18 to 34	6.55
No. 3	¾	355	20 to 47	7.65
No. 4	1	475	40 to 64	10.50
No. 5	1	600	45 to 80	11.85
No. 6	1¼	800	55 to 106	15.55

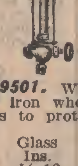
Brass Steam Whistles



5-G-6535. Made of high grade steam metal and furnished complete with spring valves.

Diam. of Bell	Size of Pipe connection	Price
1	¼	$ 2.65
1¼	⅜	3.25
1½	⅜	3.45
2	¾	4.70
2½	¾	5.75
3	1	7.25
3½	1	9.75
4	1¼	12.60

Water Gauges



5-G-9501. With brass body, iron wheels, two guards to protect glass tube.

Size Ins.	Glass Ins.	Price Each
⅜	⅝x10	$1.60
½	⅝x12	1.75
¾	¾x16	2.65

Scotch Glass Tubes for Water Gauges

5-G-9525.

Length, Ins.	Price, Doz. ½ Ins.	Price, Doz. ⅝ Ins.	Price, Doz. ¾ Ins.
10	$1.15	$1.17	$1.36
11	1.21	1.23	1.50
12	1.35	1.37	1.62
13	1.44	1.46	1.80
14	1.58	1.60	1.94
15	1.67	1.70	2.07

Polished Brass Oil Cups

5-G-6019. High grade oil cups, made of brass nicely polished.

Diam. of Body	Pipe, Size, Inches	Price Each
¾	⅛	$0.25
1	¼	.30
1¼	¼	.45
1½	⅜	.75
2	½	1.20

Plain Brass Grease Cups

5-G-6021.

Size	Inside Dia., Inches	Shank Thread	Grease Ozs.	Price Each
00	1	⅛	½	$0.35
0	1¼	¼	⅔	.45
1	1½	¼	1	.57
2	2	⅜	2	.75
3	2½	½	3½	1.10
4	3	½	5	1.45

Automatic Grease Cups for Bearings of All Kinds

5-G-6602.

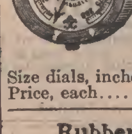
Size	Inside Dia., Inches	Shank Pipe Thread	Cap (Grease) Ozs.	Price Each
00	⅞	⅛	⅓	$0.90
0	1¼	¼	1	1.15
1	1½	¼	1½	1.45
2	2	⅜	3	1.85
3	2½	½	6	2.45

Sight-feed Snap Lever Glass Oil Cups

5-G-6601. We wish to call your particular attention to the fact that it is not necessary to adjust the feed each time, it being so constructed that when the desired feed is once set it can be stopped and started at will without resetting. This particular feature will save much trouble and annoyance.

Size	Outside Dia. of Glass	Height of Glass	Capacity, Ounces	Shank Pipe, Thread	Brass finish, Price, each
0	1¼	1⅛	⅝	⅛	$1.15
1	1½	1⅜	1	¼	1.25
1½	1¾	1⅝	1½	¼	1.30
2	2	1⅞	2½	⅜	1.40
3	2¼	2⅛	4	⅜	1.65
4	2½	2⅜	5	⅜	2.00
5	3	3	10	½	2.75

Steam Gauges

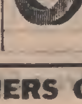


5-G-9511. Japanned iron case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges register up to 30 lbs. for low pressure and up to 200 lbs. for high pressure. Give pressure wanted when ordering.

Size dials, inches	3½	4½
Price, each	$2.10	$2.25

Rubber Gauge Glass Washers

5-G-9523.



	Price per doz.
For ½ inch gauge glass	$0.15
For ⅝ inch gauge glass	.18
For ¾ inch gauge glass	.20

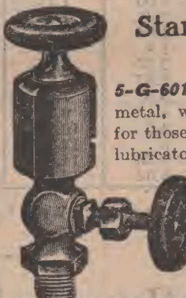
Chicago Double Connection Sight Feed Lubricator

For Stationary Engines

5-G-6011. The condenser valve is a separate piece and not part of the body, thus insuring ease of cleaning and small cost for repairs. It is provided with an ample heating chamber, which insures the oil remaining fluid even when exposed to the most severe weather. The lower feed iron is provided with a drain stem by which the sight glass may be blown out and cleaned without removing from lubricator. Each lubricator is subjected to a rigid test before leaving the factory and guaranteed to work perfectly if connected and operated properly.

Size	For Cylinder Inches	Pipe Thread on Pipe Arm	Price Brass Finish
⅓ pt.	under 10	½ inch	$ 8.00
½ pt.	10 to 12	½ inch	8.20
1 pt.	12 to 18	½ inch	10.20
1 qt.	18 to 30	½ inch	12.40
½ gal.	30 and over	¾ inch	19.00

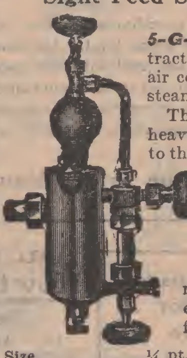
Standard Cylinder Lubricator



5-G-6017. Made of the best steam metal, wood handles, and intended for those who desire a cheap, reliable lubricator.

No.	Dia., Thread	Size, Ins.	Price Each
1	1½	⅜	$1.80
2	1¾	½	1.90
3	2	½	2.10
4	2½	½	2.30
5	2¼	½	2.75
6	3	¾	3.45

Sight Feed Single Connection Lubricator



5-G-6013. For stationary and traction engines, steam pumps, air compressors and all classes of steam cylinders.

This lubricator will feed the heaviest oils even when exposed to the severest weather, and when once adjusted will feed regularly down to the last drop. The steam can be shut off from all parts of the lubricator and any part be repaired, or valve replaced, without stopping engine or shutting off pressure from steam pipe.

Size	¼ pt.	⅓ pt.	½ pt.	1 pt.	1 qt.
Pipe thread, in.	½	½	½	½	½
Price, each	$7.00	$7.20	$8.60	$9.80	$11.60

Double Connection Sight Feed Lubricator

5-G-6015. For steam pumps, stationary and portable engines.

This is a medium priced, reliable lubricator for use on steam pumps and stationary engines which are exposed to the cold, and possesses all the advantages and features as contained in the Chicago single connection lubricator of the same style.

Size	¼ pt.	⅓ pt.	½ pt.	1 pt.	1 qt.
Pipe thread, in.	½	½	½	½	½
Price, each	$6.80	$7.00	$7.40	$9.60	$11.40

Black Wrought Steel Pipe Galvanized

New Black and Galvanized Pipe

6-G-1. Brand new black and galvanized wrought steel pipe, fully tested and guaranteed. Best quality made, easily cut and threaded. Comes in standard full lengths ranging from 18 to 21 feet; each length threaded on both ends fitted with coupling on one end. Prices below are for full lengths only as it comes from the mill and are based on latest market prices. All prices shown are for quantities up to 1,000 feet. Ask for special prices on larger quantities. Freight prepaid prices quoted on request.
Size of pipe determined by its inside diameter.

Inside Diameter Inches	Outside Diam. inches.	Weight, Per ft., Lbs.	Price, Per ft., Black	Price, Per ft., Galv.
Three-eighths	0.67	0.56	$0.04	$0.06
One-half	0.84	0.85	.05½	.07
Three-quarters	1.05	1.13	.06½	.08
One	1.31	1.68	.09	.11
One and one-quarter	1.66	2.28	.12½	.16
One and one-half	1.9	2.73	.15	.19
Two	2.37	3.67	.20	.25
Two and one-half	2.87	5.81	.30	.45
Three	3.5	7.61	.40	.58
Three and one-half	4.	9.20	.52	.69
Four	4.5	10.88	.60	.82
Four and one-half	5.	12.64	.70	
Five	5.56	14.81	.80	
Six	6.62	19.18	1.00	

We can furnish all sizes up to 12 inches. Write for prices on larger sizes

Overhauled Black Pipe

6-G-5. Used pipe carefully over-hauled and selected for steam, water, gas, oil, railing and general purposes. Always a big stock on hand which comes to us in connection with our big purchases of complete plants and dismantling contracts. Ends are carefully cut off, properly threaded where necessary and supplied with good couplings. Painted with good asphalt paint before shipment. All pipe straight and free from defects. Random lengths. Prices are for quantities up to 1,000 feet. Freight prepaid prices on request. Write for special prices on larger quantities.

Inside Diameter, ins.	Outside Diam. Inches	Wt., per ft., lbs.	Price, per ft., Black
Three-eighths	0.67	0.56	$0.02
One-half	0.84	0.85	.03
Three-quarters	1.05	1.13	.04
One	1.31	1.68	.06
One and one-quarter	1.66	2.28	.08
One and one-half	1.9	2.73	.09
Two	2.37	3.67	.11
Two and one-half	2.87	5.81	.17
Three	3.5	7.61	.26
Three and one-half	4.	9.20	.30
Four	4.5	10.88	.40
Four and one-half	5.	12.64	.45
Five	5.56	14.81	.50
Six	6.62	19.18	.75
Seven	7.62	23.76	.90
Eight	8.62	28.80	.95

Prices on larger sizes on application.

Boiler Tubes for Retubing Purposes

6-G-9. Carefully selected over-hauled boiler tubes guaranteed satisfactory for retubing boilers of every kind. All tubes tested and inspected before shipment. Orders are accepted with the understanding that unsatisfactory boiler tubes can be returned to us, upon inspection we will cheerfully exchange them for other tubes or return your money. These tubes are cut to lengths, they have square ends and are perfectly straight.

Outside Diam., ins.	Inside Diam., ins.	Wt., per ft.	Price, per ft.
Two	1.81	1.93	$0.08
Two and one-quarter	2.06	2.18	.12
Three	2.78	3.36	.15
Three and one-quarter	3.01	4.01	.16
Three and one-half	3.26	4.33	.17
Four	3.73	5.53	.18

All Pipe Prices Above Are Subject to Market Changes and Stock on Hand

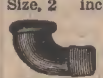
Cast Iron Black Drainage Fittings Threaded for Wrought Iron Pipe

These fittings have an interior shoulder to which the pipe screws up flush, thus giving an unobstructed passage, preventing pipe from becoming choked up by any solid matter.

Drainage Basin Tee

21-G-124.

Size, 1½ inches. Price.....47c
Size, 2 inches. Price.....70c



Drainage Street Elbow

21-G-125. Cast Iron

Size, 1½ inches. Price.....36c

Wrought Iron Long Screw

21-G-126.

With Coupling and Lockout, Faced. Galvanized.

Size, 1½"x5½" long. Price.....96c
Size, 2" x6" long. Price.....1.60

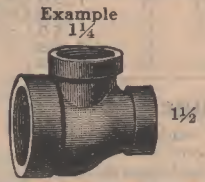
ALL PRICES ON THIS PAGE SUBJECT TO CHANGE

How to Order Reducing Tees and Crosses

Reducing Tees

1st. Always give end or run openings. Then side openings.

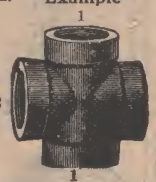
Example



Order should read: "2x1½x1¼."

Reducing Crosses

Always mention all openings. Reading straight across, then up and down. Example



Order should read: "2x2x1x1."

CAST IRON FLANGE

When ordering cast iron flanges be sure to mention size of pipe and diameter of flange. We can furnish in three ways: "Not Faced or Drilled," "Faced" and "Faced and Drilled." When ordering be sure to give size, figure number and price. Bolts are extra.

21-G-201. 2nd. Cast Iron Flange. Faced.
21-G-202. 3rd. Cast Iron Flange. Faced and Drilled.

Inside Pipe Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."	Inside Pipe Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."
	6	$0.60	$0.82	4	9	$1.10	$1.47
2½	7	.70	.88	5	10	1.30	1.65
3	7½	.80	1.00	6	11	1.62	2.05
3½	8½	.96	1.25				

Wrought Iron Pipe Cast Iron Black Drainage Fittings. Threaded.

NOTICE.—The sizes given for fittings refer to the size of the pipe on which fittings are to be used. Carefully measure the inside of the pipe, NOT the coupling, and order by this size.

90 Degree Drainage Elbow

21-G-121.

Size, 1½ inches. Price.....31c
Size, 2 inches. Price.....47c

45 Degree Drainage Elbow

21-G-122.

Size, 1½ inches. Price.....31c
Size, 2 inches. Price.....47c

45 Degree Y Drainage

21-G-127.

Size, 1½ inches. Price.....54c
Size, 2 inches. Price.....79c

PIPE FITTINGS

For Water & Gas Lines—Plumbing & Heating Systems

Cast Iron Fittings

For Standard Wrought Iron Pipe are made of the best grade of material, carefully tapped, inspected before shipment, and guaranteed with uniform and perfect threads, suitable for a working pressure up to 125 lbs.; used on power plants, low pressure steam and hot water plants. In ordering fittings be sure and give the inside measurements of the pipe you will use the fittings with, as all pipe is listed by inside measurement only and fittings correspond. Give size and price when ordering. Sizes not listed, furnished on application.

Malleable Iron Fittings

For Standard Wrought Iron Pipe are made of the best grade of malleable iron, great care being used in the selection of material and their manufacture; all fittings are inspected and tested before shipment, guaranteed water, air and gas tight. Give size and price when ordering.

Street Elbows

MALLEABLE		
Size	Black	Galv.
⅜	$0.05	$0.07
½	.07	.10
¾	.12	.14
1	.13	.17
1¼	.15	.25
1½	.23	.35
2	.40	.60

R. & L. Elbows

CAST IRON	
Size, ins.	Black
½	$0.06
¾	.07
1	.10
1¼	.14
1½	.18
2	.25
2½	......
3	......
3½	......
4	......

Standard Pipe Nipples

	BLACK			GALV.		
Size, ins.	Close and Short	Long 3 to 6 ins.	Extra Long 6 to 12 ins.	Close and Short	Long 3 to 6 ins.	Extra Long 6 to 12 ins.
½	$0.03	$0.05	$0.10	$0.04	$0.08	$0.16
¾	.04	.08	.13	.05	.10	.18
1	.05	.09	.15	.06	.13	.24
1¼	.06	.10	.20	.08	.17	.33
1½	.07	.13	.25	.10	.20	.40
2	.09	.17	.32	.12	.26	.55
2½	.17	.28	.55	.24	.44	.87
3	.20	.37	.68	.31	.55	1.10
3½	.30	.52	.85	.55	.97	1.46
4	.35	.65	.95	.62	1.00	1.75

R. & L. Nipples

BLACK	
Size, ins.	R. & L.
½	$0.07
¾	.08
1	.10
1¼	.13
1½	.16
2	.21
2½	.38
3	.45
3½	.70
4	.80

Lock Nuts

MALLEABLE		
Size, ins.	Black	Galv.
⅜	$0.02	$0.03
½	.03	.04
¾	.04	.05
1	.06	.07
1¼	.07	.09
1½	.08	.10
2	.10	.12

90° Elbows

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$0.05	$0.06
½	$0.05	.07	.09
¾	.07	.08	.10
1	.09	.09	.15
1¼	.14	.16	.25
1½	.16	.24	.36
2	.22	.36	.55
2½	.38	......	......
3	.58	......	......
3½	.81	......	......
4	.94	......	......

45° Elbows

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$0.05	$0.06
½	$0.06	.06	.08
¾	.08	.09	.12
1	.10	.11	.16
1¼	.15	.20	.27
1½	.19	.27	.38
2	.27	.46	.65
2½	.47	......	......
3	.70	......	......
3½	.97	......	......
4	1.13	......	......

Reducing Elbows

CAST IRON		MALLEABLE
Size, ins.	Black	Galv.
⅜	......	$0.06
½	$0.06	.09
¾	.07	.13
1	.10	.14
1¼	.14	.21
1½	.18	.32
2	.25	.50
2½	.47	......
3	.66	......
3½	.94	......
4	1.09	......

Pitched Elbows

CAST IRON	
Size, ins.	Black
½	......
¾	$0.08
1	.11
1¼	.16
1½	.20
2	.28
2½	.50
3	.78
3½	1.00
4	1.17

Couplings

MALLEABLE		
Size, ins.	Black	Galv.
½	$0.05	$0.07
¾	.08	.11
1	.10	.12
1¼	.12	.18
1½	.15	.24
2	.24	.38
2½	.41	.63
3	.55	.84
3½	.72	1.10
4	.86	1.31

R. & L. Couplings

MALLEABLE	
Size, ins.	Black
½	$0.05
¾	.09
1	.10
1¼	.12
1½	.17
2	.27
2½	......
3	......
3½	......
4	......

Eccentric Reducing Couplings

CAST IRON	
Size, ins.	Black
½	......
¾	......
1	......
1¼	$0.39
1½	.54
2	.70
2½	1.05
3	1.68
3½	2.10
4	2.80

Faced Bushings

MALLEABLE		
Size, ins.	Black	Galv.
½	$0.12	$0.18
¾	.14	.20
1	.16	.26
1¼	.21	.32
1½	.28	.41
2	.40	.60
2½	.60	.90
3	.88	1.30
3½	1.52	2.28
4	1.89	2.84

Bushings

MALLEABLE		
Size, ins.	Black	Galv.
½	$0.03	$0.06
¾	.05	.10
1	.06	.12
1¼	.07	.14
1½	.10	.20
2	.15	.30
2½	.18	.36
3	.24	.48
3½	.32	.63
4	.39	.78

Plugs

CAST IRON		
Size, ins.	Black	Galv.
½	$0.03	$0.04
¾	.04	.06
1	.05	.09
1¼	.06	.10
1½	.06	.12
2	.08	.16
2½	.14	.28
3	.20	.40
3½	.30	.60
4	.33	.65

Tees

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$.06	$.09
½	$.07	.08	.11
¾	.10	.09	.12
1	.12	.12	.18
1¼	.18	.22	.33
1½	.23	.28	.42
2	.32	.45	.70
2½	.57	......	......
3	.86	......	......
3½	1.16	......	......
4	1.36	......	......

Reducing Tees

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$0.07	$0.10
½	$0.08	.08	.11
¾	.11	.12	.15
1	.14	.13	.18
1¼	.21	.20	.30
1½	.26	.30	.40
2	.37	.40	.65
2½	.65	......	......
3	.97	......	......
3½	1.36	......	......
4	1.55	......	......

Crosses

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$0.07	$0.09
½	$0.13	.10	.14
¾	.17	.16	.22
1	.21	.23	.32
1¼	.33	.26	.38
1½	.41	.32	.48
2	.58	.56	.88
2½	1.00	......	......
3	1.55	......	......
3½	2.10	......	......
4	2.45	......	......

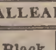
Reducing Crosses

CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$.09	$.11
½	$.14	.10	.12
¾	.20	.16	.22
1	.24	.23	.32
1¼	.36	.26	.38
1½	.47	.32	.48
2	.65	.42	.66
2½	1.13	......	......
3	1.70	......	......
3½	2.33	......	......
4	2.72	......	......

Reducers

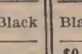
CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$0.05	$0.06
½	......	.06	.07
¾	......	.07	.11
1	......	.09	.13
1¼	......	.17	.20
1½	......	.20	.27
2	......	.30	.40
2½	$0.47	......	......
3	.63	......	......
3½	.78	......	......
4	1.05	......	......

Caps



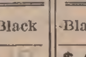
MALLEABLE		
Size, ins.	Black	Galv.
⅜	$0.03	$0.04
½	.04	.05
¾	.07	.08
1	.09	.12
1¼	.10	.16
1½	.13	.20
2	.22	.50

Closed Return Bends



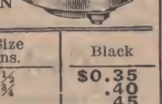
CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	.....	$0.12	$0.14
½	$0.14	.12	.14
¾	.16	.12	.17
1	.18	.18	.26
1¼	.22	.22	.32
1½	.32	.26	.37
2	.45	.50	.75
2½	.93	.....	.....
3	1.30	.....	.....
3½	.....	.....	.....
4	3.90	.....	.....

Open Return Bends



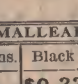
CAST IRON		MALLEABLE	
Size, ins.	Black	Black	Galv.
⅜	......	$.07	$.08
½	$.17	.10	.14
¾	.21	.17	.26
1	.24	.26	.36
1¼	.32	.32	.48
1½	.43	.35	.68
2	.62	.67	1.05
2½	1.05	......	......
3	1.70	......	......
3½	......	......	......
4	5.00	......	......

Flange Unions



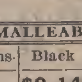
CAST IRON	
Size ins.	Black
½	$0.35
¾	.40
1	.45
1¼	.55
1½	.66
2	.87
2½	1.10
3	1.30
3½	1.55
4	1.80

Railroad Unions



MALLEABLE		
Size, ins.	Black	Galv.
⅜	$0.22	$0.33
½	.28	.42
¾	.33	.50
1	.44	.66
1¼	.66	.99
1½	.88	1.32
2	1.10	1.65

Unions



MALLEABLE		
Size, ins.	Black	Galv.
⅜	$0.14	$0.20
½	.15	.22
¾	.18	.27
1	.22	.29
1¼	.32	.48
1½	.40	.62
2	.51	.78

Branch Tees and Manifolds

All openings or runs in manifolds are tapped right hand thread. Figure No. 1 is tapped right hand thread both run and branches. Figures No. 2 and 3 are tapped left hand thread so when ordering manifolds it is necessary always to order one Figure No. 1 in connection with either Figure No. 2 or 3 as this will then give you one manifold with a right hand thread and one with a left hand thread.

When figuring the price on Figures No. 2 and 3 manifolds, always take the price of the one branch larger on account of the back opening being charged as a branch. In other words, if you wish to order a six branch manifold Figure No. 2 or 3, the price would be the same as that of a No. 7. This only applies to Figures No. 2 and 3.

All Prices on This Page Subject to Change

FOR CIRCULATION

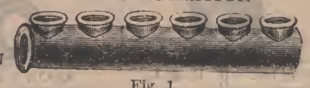


Fig. 1

FOR CIRCULATION

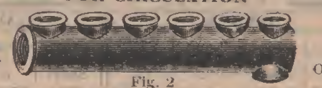


Fig. 2

FOR BOX COILS

Fig. 3

1 in. Branch Tees 1 in. or 1¼ in. run are 1¾ in. inside diameter.
1 in. Branch Tees 1½ in. or 2 in. run are 2¼ in. inside diameter.
1¼ in. Branch Tees are all 2⅓ in. inside diameter.

1½ in. Branch Tees are all 2¾ in. inside diameter.
2 in. Branch Tees are all 3½ in. inside diameter.
Always order Branch Tees by size and figure number.

No. of Branches	1" Branch Tees, 2½" C. to C.			1¼" Branch Tees, 3" C. to C.			1½" Branch Tees, 3½" C. to C.			2" Branch Tees, 4½" C. to C.		
	1" or 1¼" Run	1½" Run	2" Run	1¼" or 1½" Run	2" Run	2½" Run	1½" or 2" Run	2½" Run	3" Run	2" or 3" Run	2½" or 3" Run	3½" Run
2	$0.84	$0.93	$1.07									
3	.98	1.08	1.26	$1.57	$1.74	$2.24	$2.52	$3.23	$3.55	$4.91	$5.37	$5.37
4	1.07	1.21	1.50	1.87	2.24	2.65	3.13	3.88	4.30	5.98	6.54	6.54
5	1.09	1.35	1.72	2.24	2.70	3.31	3.74	4.67	5.13	7.14	7.94	7.94
6	1.48	1.63	1.95	2.62	2.91	3.69	4.35	5.37	5.73	8.23	9.11	9.11
7	1.74	2.06	2.28	2.99	3.64	3.93	4.91	6.07	6.76	9.91	10.98	10.98
8	2.05	2.28	2.56	3.36	4.20	4.62	5.47	6.54	7.04	10.74	11.91	11.91
9	2.48	2.70	3.18	4.01	4.90	6.35	6.07	7.72	8.41	11.44	12.61	12.61
10		3.07	3.74	4.49	5.46	6.39	7.11	8.65	9.35	12.61	14.02	14.02
11		4.20	4.49	4.67	5.85	6.75	7.48	9.10	9.97			
12		4.43	4.76	4.90	6.07	7.14	7.94	9.31	10.74			

Sectional Spring Tube Expander

Prossor Type

4-G-9002. The Prossor Type Sectional Spring Tube Expanders. A heavy, substantial tool, same style as used in boiler shops. Made of the highest grade tool steel for ⅜ inch boiler. In ordering be sure and give outside diameter of tubes.

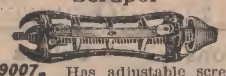
Size, ins.	1¾	2	2¼	2½	3
Price, each	$5.40	$5.50	$6.90	$8.00	$11.70

Expansion Flue Brushes

4-G-9009. Made of malleable Iron and tempered steel. Sizes given are for flues outside diameter.

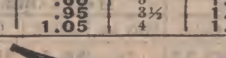
Size Inches	Price Each	Size Inches	Price Each
1½	$1.20	2½	$1.50
1¾	1.25	3	1.80
2	1.30	3½	2.10
2¼	1.35	4	2.40

Engineers' Favorite Flue Scraper



4-G-9007. Has adjustable screw and good cutting edges that enable the operator to clean flues thoroughly. Sizes given are for tubes, outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1½	$0.55	2½	$1.15
1¾	.60	3	1.35
2	.95	3½	1.55
2¼	1.05	4	1.80



4-G-9000. Beading tool for beading end of boiler tubes. Price, each.. **90c**

Railing Fittings (Malleable Iron)

21-G-96. To be used in connection with Standard Pipe for the purpose of constructing fences and enclosures of all kinds.

PLEASE READ WITH CARE—To construct a railing, two pipes high, the upper outlet of all Fittings in the lower rail should be tapped with left hand thread. As fittings used for this purpose do not need to be steam or water tight, a sufficiently clean thread to screw up well and make a good job can be made by running a left hand tap into any outlet tapped right hand. Be sure to mention when ordering Right or Left Hand.

Order from figure number above—note illustration.

Sizes, inches	½	¾	1	1¼	1½	2
No. 1. Elbow	$0.06	$0.10	$0.14	$0.23	$0.32	$0.57
No. 2. Elbow Side Outlet	.07	.11	.15	.25	.35	.60
No. 3. Tee	.06	.10	.14	.23	.33	.60
No. 4. Tee, S. Outlet	.07	.11	.15	.25	.35	.60
No. 5. Cross	.08	.12	.16	.27	.37	.65
No. 6. Cross, S. Outlet	.10	.15	.18	.30	.40	.70
No. 7. Floor Flange	.07	.11	.15	.25	.35	.60
No. 8. Acorn Ornaments	.06	.10	.14	.23	.32	.57

Drop Fittings in Black and Galvanized

Long Drop Elbows		Short Drop Ells	Blk.	Gal.	Drop Tees	Blk.	Gal.
⅜ Blk.	8c	⅜	6c	8c	⅜	7c	8c
⅜ Gal.	11c	½	8c	11c	½	9c	12c
		¾	11c	15c	¾	13c	19c

Cast Iron Floor Flanges

Drilled for Screws

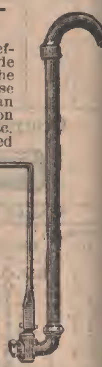
21-G-210

Pipe size, in.	⅜	½	¾	1	1¼	1½	2
Dia. Flange, ins.	3	3¼	3½	4	4	4½	5½
Price, each	09c	10c	13c	14c	15c	17c	27c

Cast Iron Hook Plates

No.	For Pipe Spread of Inch	Hooks 1	2	3	4	5	6
21-G-79	1	2½ 10c	19c	24c	27c	33c	39c
21-G-80	1¼	3 11c	22c	28c	33c	42c	54c
21-G-81	1½	3½ 15c	29c	44c	60c	75c	91c
21-G-82	2	4½ 23c	45c	67c	93c	$1.19	$1.37

Galvanized Goose-Neck Hydrants



21-G-805. A low priced, efficient hydrant, which is made in galvanized pipe only. The gooseneck has a standard hose thread to which the hose can be attached for fire protection purposes, lawn sprinkling, etc. The valve, which is placed below the frost line, is brass, and is so arranged that it will drain the hydrant when shut off, thus preventing freezing. The hydrant is provided with shut-off rod, complete, as shown in illustration.

Lgth. ft.	4	5	6
Size, ¾	$3.15	$3.35	$3.55
1	4.50	4.70	4.95
1¼	6.80	7.00	7.20

Boiler Tube Ferrules

21-G-9527. Seamless Copper Boiler Tube Ferrules. Used on ends of boiler tubes to make a perfect fit and a tight job. Sizes are for tubes outside diameter.

Sizes	Width, Inches	Thickness of Copper, Inches	Price Each
1¾	⅝	1-32	$0.07
2	⅝	1-32	.08
2¼	⅝	1-32	.09
2½	⅝	1-32	.10
3	¾	1-32	.11
3½	¾	1-32	.13
4	⅞	1-32	.18

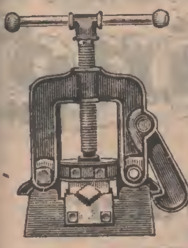
Roller Tube Expander

Dudgeon Pattern

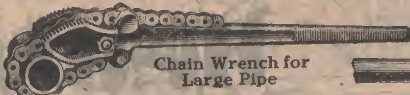
4-G-9003. This expander has a solid body, thus avoiding constant breaking of cap screws. Made of the best material and finely finished. Sizes given are for outside diameter tubes. If your tube measures 2 inches outside diameter you would then require a 2 inch Expander.

Size Inches	Price Each	Size Inches	Price Each
1¼	$4.00	2½	$5.60
1½	4.05	3	7.20
1¾	4.10	3½	9.20
2	4.15	4	12.00
2¼	4.80		

Tools to Install Heating Plant

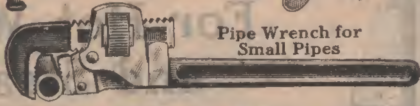


Pipe Vise.

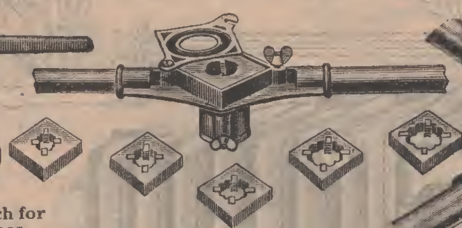


Chain Wrench for Large Pipe

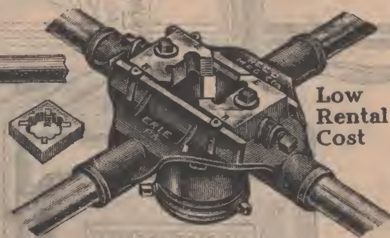
Pipe Cutter.



Pipe Wrench for Small Pipes



Stock and Dies for Small Pipe.



Low Rental Cost

Stock and Dies for Large Pipe.

The tool sets below have been carefully assembled to give our customers a complete equipment of best tools for the installation of Heating Systems. After you have decided upon the set you will need to complete your work, you will find by comparison that the low prices we are asking offer a substantial saving. The tools included in these outfits are of real high quality and with ordinary care will give you long service. If you wish to do so, we will allow you the privilege of returning tool sets described below after you have finished installing your heating plant and will refund you for all tools returned in good condition, 90 per cent of the purchase price. This nominal charge of 10 per cent for the use of the tools barely covers our expense in handling.

Complete Sets of Heating Plant Tools

4-G-100. The following tools are all of the finest quality and this set is recommended for use in installing heating plants where pipe not larger than 2 inches in diameter is used. The set consists of:
1 Pipe Vise for up to 2½ inch pipe.
1 Stock and Dies for ¼ to 1 inch pipe.
1 Stock and Dies for 1¼, 1½ and 2 inch pipe.
1 14 inch Pipe Wrench, takes ½ to 1½ inch pipe.
1 18 inch Pipe Wrench, takes ½ to 2 inch pipe.
1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
1 Pipe Cutter, cuts ⅛ to 1 inch pipe.

$23.50

4-G-101. Tools all of finest quality. This set is recommended for installing heating plants where pipe up to 3 inches in diameter is used. The set consists of:
1 Pipe Vise, takes ⅛ inch to 3 inch pipe.
1 Stock and Dies, takes ¼ inch to 1 inch pipe.
1 Stock and Dies, takes 1¼, 1½ and 2 inch pipe.
1 Stock and Adjustable Dies for 2½ and 3 inch pipe.
1 14 inch Pipe Wrench for ¼ to 1½ inch pipe.
1 18 inch Pipe Wrench for ½ to 2 inch pipe.
1 27 inch Chain Wrench for 1¼ to 3 inch pipe.
1 Pipe Cutter, cuts ⅛ inch to 1 inch pipe.
1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
1 Pipe Cutter, cuts 2 inch to 3 inch pipe.

$60.00

2-Hole Laundry Stove

Made With Hollow Water Heating Firepot

17-G-350. Strongly built of smooth gray iron castings; hollow water heating fire pot. Inside diameter of fire pot at top, 10¾ inches. Diameter of grate, 8 inches. Size of top, 14x20 inches. 1 inch pipe connection. 6 inch pipe collar.
Price........................**$11.75**

17-G-800. Extra heavy 11¾ inch diameter fire pot at top. 9½ inch grate. Size of top, 21x23.
Price........................**$15.25**

Garbage Burner and Tank Heater

$65

Here is a combination tank heater and garbage burner that reduces the fuel cost to the minimum. At the upper part of the heater is a large compartment with large feed door where the fresh garbage is thrown in and left until it is dried by the heat, then thrown into fire pot by means of swinging bottom. Absolutely odorless. Ideal for homes, apartment houses, hotels, etc. Burns any other fuel as well. Made entirely of heavy cast iron, so constructed as to provide perfect expansion and contraction. Diameter of grate, 14 inches, inlet and outlet 1½ inches. Capacity 250 gallons.

17-G-1200.
Price........... **$65.00**

4-Hole Laundry Stove

Made With Hollow Water Heating Firepot

17-G-450. Four hollow water heating laundry stove. Four 8 inch lids. Inside diameter of fire pot at top, 10¾ inches. Diameter of grate, 8 inches. Size of top, 20x22. 100 gallon capacity. 1 inch connection.
Price........................**$13.25**

17-G-4800. Extra heavy four hole water heating laundry stove. Inside diameter of fire pot at top, 11¾ inches. 9½ inch grate. Size of top, 22x24.
Price........................**$17.75**

Unusual Values in High Grade Tank Heaters

For Homes and Garages

$28 and up

Just the tank heater to supply plenty of hot water to range boilers at very little cost. Burns any kind of fuel—coke, hard or soft coal, wood, etc. The 500 gallon capacity heater is ideal as a garage heater. The two larger sizes can be used for small hot water heating plants. With this tank heater you can have a practically unlimited supply of hot water. Quick heating. Easy to fire. Consumes but little fuel. Water in barrel is all around fire. Strongly made of best quality heavy iron castings. Large fire doors.

No.	Diam. of Grate	Diam. of Tappings	Capacity, Gals.	Price
17-G-130	12 in.	1¼ in.	200	$28.00
17-G-140	14 in.	1½ in.	300	45.00
17-G-170	17 in.	2 in.	500	65.00

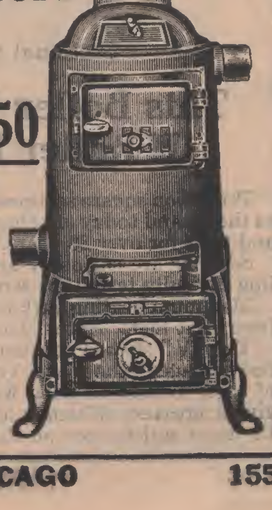
Large Size Suitable as Garage Heater

Cast Iron Tank Heater

17-G-100. **Cast Iron Heater.** An excellent heater where a steady flow of hot water is required. Water in barrel is all around fire which insures quick heating of the water and practically an unlimited supply. Inlet for water is on left side at bottom of water barrel. Outlet is on right side top of water barrel. Heater is substantially constructed and strongly reinforced. Large fire door at front insures convenient feeding. Nickeled trimmings. Made of the very best gray iron castings. Diameter of grate, 10 inches. Diameter of fire pot at bottom, 14½ inches. Height of water barrel, 18 inches. Height from floor to top of smoke dome, 36 inches. Tank capacity, 200 gallons. Size of smoke pipe, 5 inches. Size of inlet and outlet, 1½ inches. Weight, 235 pounds.

$31.50

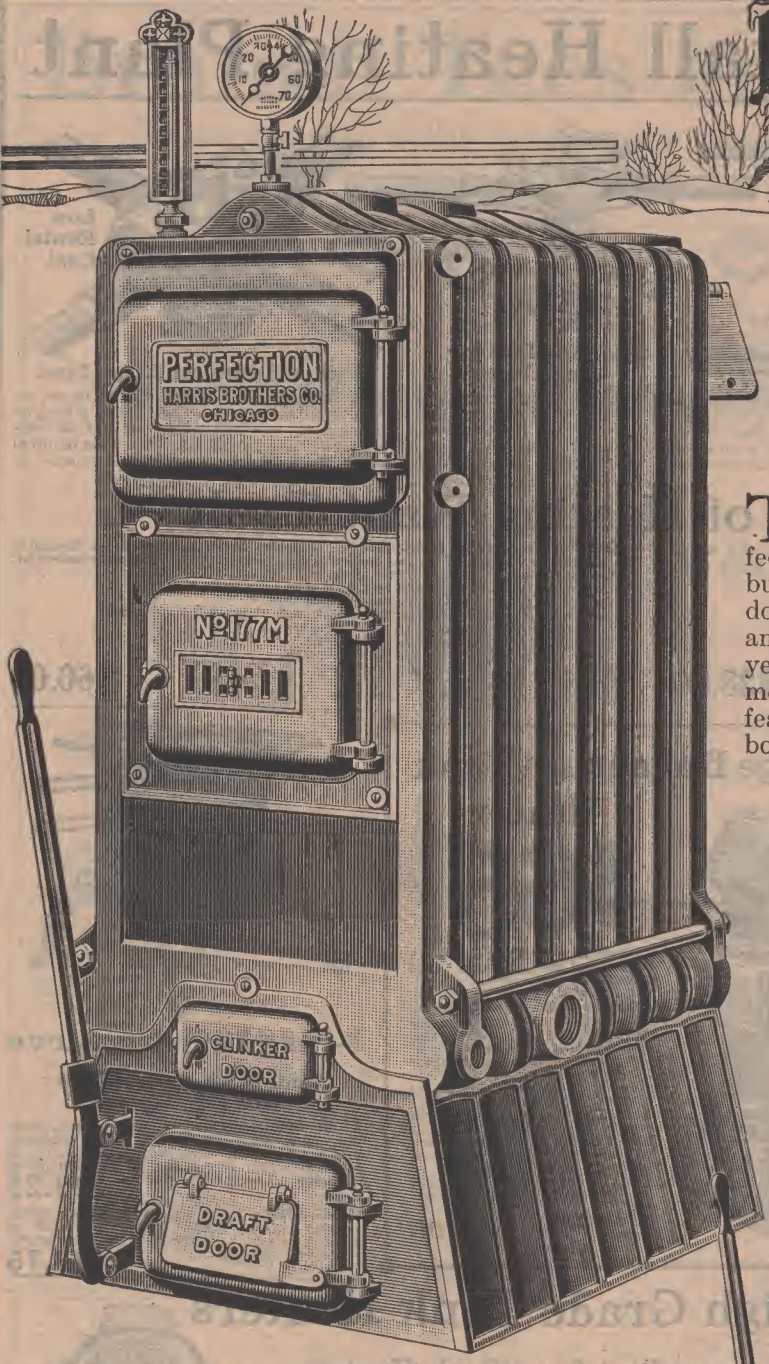
Price........................**$31.50**



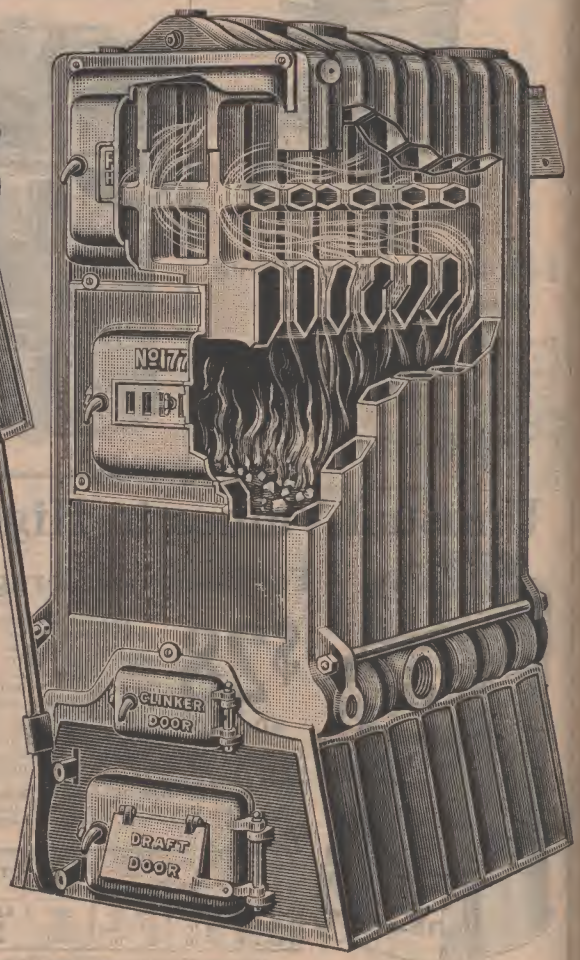
Perfection Heating

For Hot Water and Steam Heating Plants!

TIME TESTED and tried under all conditions in every section of the country. Perfection Boilers are the sure choice of careful buyers everywhere. The most convincing endorsement for them is the thousands now in use and their wonderful record for more than 30 years. Today they present many new improvements in addition to the exclusive and original features that gained for them home heating boiler leadership.



Sectional View of Perfection Boilers



This Boiler Will Be Your Choice If Boiler Perfection Counts

Perfection square sectional, steam and hot water home heating boilers as they stand today are the result of constant experimenting, improving and tests for over 30 years.

Sections are smoothly and evenly cast in one piece from best gray iron carefully tested for strength and endurance.

Maximum heating surface and long smoke travel insures utmost heat from least fuel. Note: The entire firepot is surrounded by water.

The "V" shaped construction of castings—the straight self cleaning flue passages—the rocker type clinker cutting grate bars and the ability of these boilers to burn wood, coke, hard coal, soft coal or any fuel giving greatest efficiency at all times makes Perfection Boilers one of the most satisfactory on the market.

Square Sectional Boilers

The Pulse of Comfort in Your Home

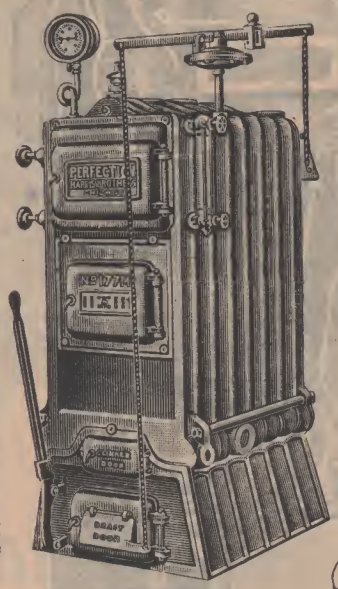
THE joy and healthful advantages of an efficient correctly installed modern heating system has made its selection the most important of all home comforts and improvements. Perfection Home Heating Systems—Perfection Boilers—Perfection Radiators—Perfection Furnaces and heating equipment of every description together with our Free Expert Engineering service has contributed in a large measure to the health and happiness of thousands of progressive home owners.

Perfection Boilers Are Perfect in Design and Construction

The pictures on the opposite page clearly show the splendid construction of Perfection square sectional boilers. The hot water and steam boilers are of the same design with the exception of the steam trimmings which are furnished with the steam boilers. Every possible unit of heat produced by the fuel is absorbed by the water before the burning gases and smoke reach the chimney. Note the extra deep firepot entirely surrounded by water heating passages which insures quick, steady heat.

Perfection Heating Systems Are Planned by Experts

Our experts have reduced the old-time complications of heating system planning and installation to a simple, easily completed job. Any handy man can do all the work by following our simple, easily understood instructions. No experience on your part necessary—just a little time and substantial exercise. We furnish all the tools you will need at a low rental charge. Always the same satisfactory results—a perfect efficient heating system insuring cold weather comfort and a big saving on the completed job.



Equipped for Steam

This Guarantee—

Assures Heating Plant Perfection and Cold Weather Comfort

Every Perfection Heating System, when installed according to our plans and instructions, is guaranteed to heat the rooms in which radiators are placed to a temperature of 70 degrees during all conditions of weather without undue forcing of the fire. It is agreed that if for any reason any piece or part of the material proves defective or if the heating system we have furnished is not capable of heating the rooms as stated above, we will hand you back the purchase price and any amount of freight charges paid by you to receive it.—HARRIS BROTHERS COMPANY.

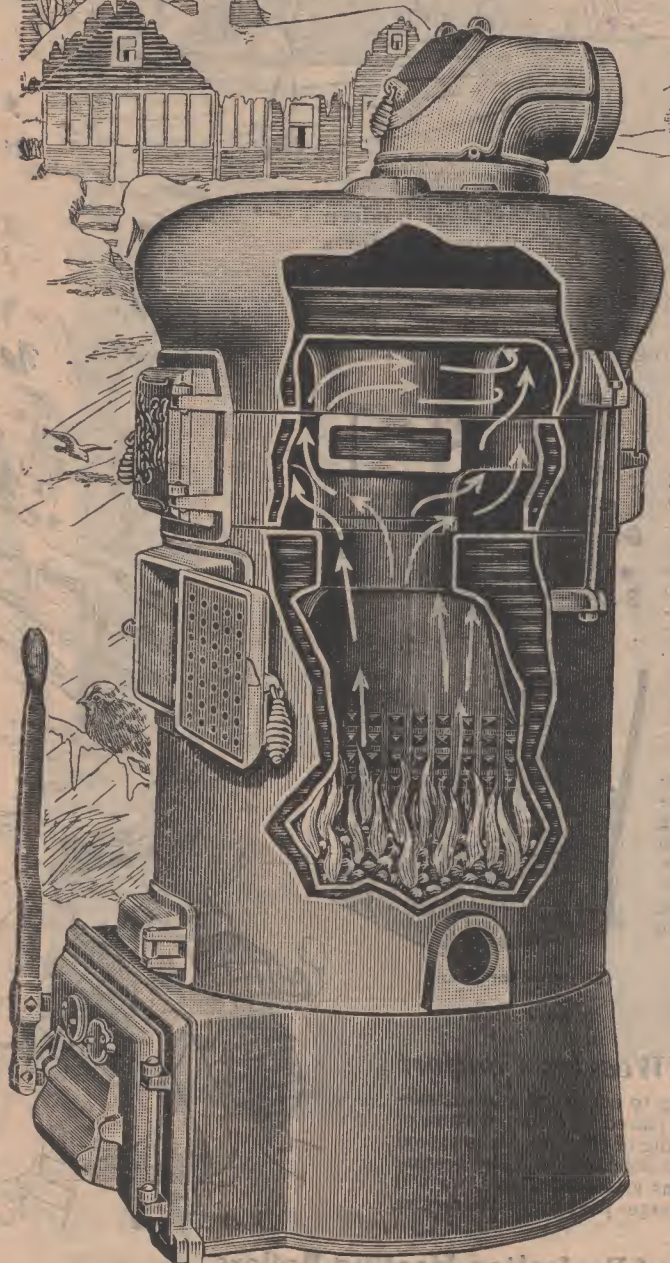
Prices and Specifications of Perfection Heating Boilers

All Quotations Are Subject to Market Changes

Number	Size of Firepot	Size of Smoke Pipe	Foundation Inches	Tappings at Flow and Return	Height to Water Line (in Steam Boiler)	Direct Water Radiation	Direct Steam Radiation	Shipping Weight in Lbs.	Price on Hot Water Boilers	Price on Steam Boilers
17-G-64	13½x12	7	23x24	2–2	41″	425	250	590	$ 60.00	$ 72.00
17-G-65	13½x15	7	23x28	2–2	41	550	325	675	67.00	80.00
17-G-66	13½x18	7	23x32	2–2	41	675	400	835	76.00	89.00
17-G-67	13½x21	7	23x36	3–2	41	800	475	915	84.00	97.00
17-G-175	17x17	9	26x28	2–2½	48	1000	600	941	102.00	115.00
17-G-176	17x21	9	26x33	2–2½	48	1250	750	1123	117.00	130.00
17-G-177	17x25	9	26x38	3–2½	48	1500	900	1305	134.00	148.00
17-G-178	17x30	9	26x43	3–2½	48	1750	1050	1487	142.00	165.00

Above prices are all F. O. B. our factory in Western New York. We will quote Freight Prepaid prices on request.

Perfection Round Sectional Heating Boilers



For Hot Water and Steam Heating Plants

Burn hard coal, soft coal, wood coke or any fuel with utmost satisfaction.

PERFECTION sectional steam and hot water boilers show a decided improvement in "Round Type Boiler Construction." When designing Perfection Boilers, our engineers worked with one idea—to produce the most efficient and economically operated heating boiler possible. Following the designs of our engineers, these boilers are carefully made from the best grade of gray cast iron, smoothly finished; all sections and parts fitting perfectly.

We call your special attention to the construction of the fire pot. The cast iron pins on the side of the fire pot serve a double purpose. They hold the ashes and dead fire from the fire pot and because they project into the fire heat quickly and increase the circulation in your heating system.

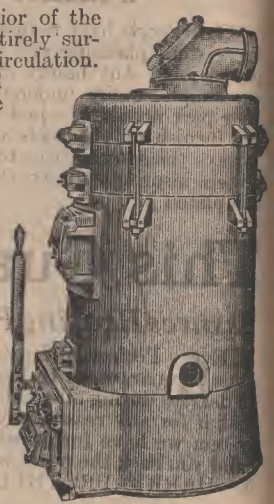
Although Perfection Boilers embody all latest improvements and are sold under a guarantee of absolute satisfaction, you will find the prices on these boilers exceptionally low.

Most Efficient Round Design

This sectional view of the interior of the boiler shows the deep fire pot entirely surrounded by water, insuring quick circulation. All part are carefully tested and must fit perfectly before boilers are shipped from our factory.

Important Features

Smooth, perfect fitting cast sections.
Deep fire pot and long fire travel gets the heat.
Greatest possible heating surface.
Rocker type clinker cutting grate bars.
Large size feed doors.
Deep, roomy ashpit.
Ease of operation and cleaning.
Rapid circulation.
Perfect fitting parts.
Shipments from factory in Eastern Michigan or Chicago.



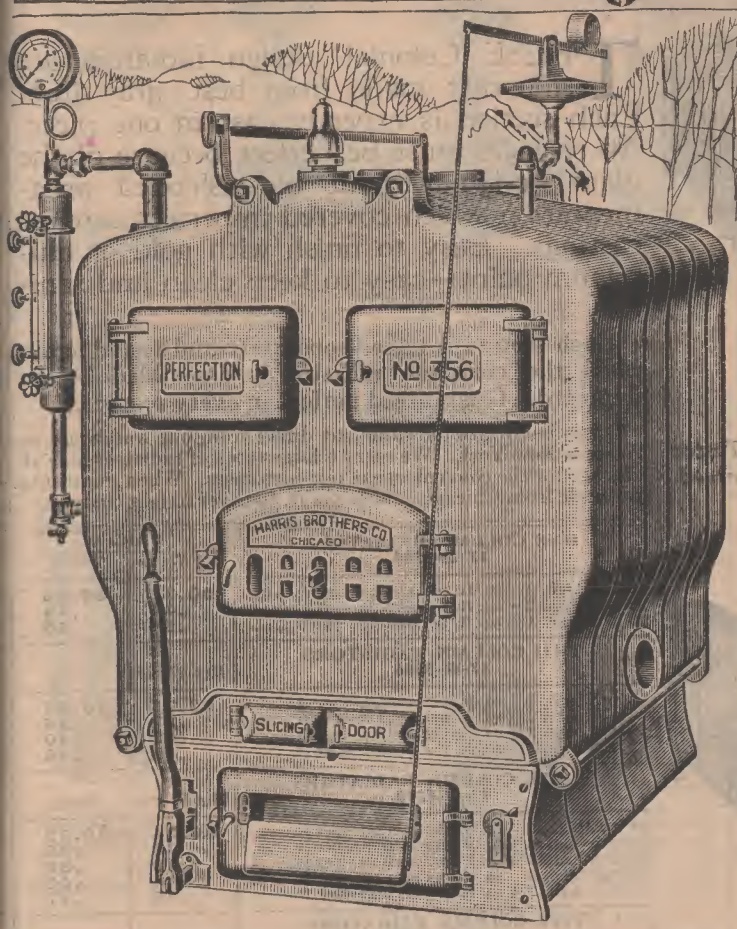
Hot Water Boiler

Prices of Perfection Round Sectional Steam and Hot Water Boilers

All Quotations Are Subject to Market Changes

Number	Dia. of Grate	Floor Space	Height Outlet Steam	Height Outlet Water	Water Line Steam	Number and Size Tappings	Size of Smoke Pipe	Weight	Rating Steam	Rating Hot Water	Price Steam	Price Hot Water
17-G-319	19 in.	26 in.	50 in.	47 in.	47 in.	2–2½ in.	7 in.	900	450	700	$116.00	$ 93.00
17-G-222	22 in.	30 in.	50 in.	47 in.	44 in.	2–2½ in.	9 in.	1000	525	875	122.00	95.00
17-G-322	22 in.	30 in.	56 in.	53 in.	50 in.	2–2½ in.	9 in.	1100	575	940	137.00	111.00
17-G-422	22 in.	30 in.	62 in.	59 in.	56 in.	2–2½ in.	9 in.	1200	600	975	150.00	122.00
17-G-225	25 in.	33 in.	52 in.	48 in.	46 in.	2–3 in.	9 in.	1300	675	1150	141.00	112.00
17-G-325	25 in.	33 in.	58 in.	54 in.	52 in.	2–3 in.	9 in.	1400	750	1240	160.00	132.00
17-G-228	28 in.	36 in.	53 in.	49 in.	47 in.	2–4 in.	10 in.	1550	900	1475	176.00	143.00
17-G-328	28 in.	36 in.	59 in.	55 in.	53 in.	2–4 in.	10 in.	1800	1000	1575	200.00	167.00
17-G-428	28 in.	36 in.	65 in.	61 in.	59 in.	2–4 in.	10 in.	2000	1025	1675	222.00	189.00
17-G-331	31 in.	39 in.	61 in.	56 in.	54 in.	2–4 in.	10 in.	2200	1200	1900	244.00	195.00

Perfection Square Sectional Heating Boilers



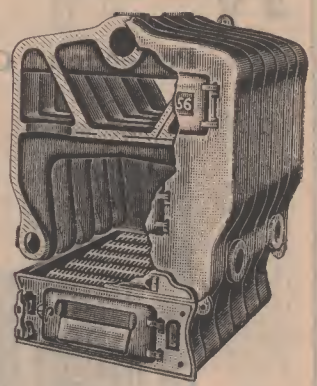
For Large Hot Water and Steam Heating Systems

Perfection boilers are designed particularly for use in large heating work. They are conveniently installed; being sectional, they are built up together—no additional expense for elaborate brickwork. The ease with which Perfection boilers are operated with greatest efficiency—their ability to heat quickly, steadily and powerfully with utmost fuel economy—are advantages that you will appreciate.

Fast, Steady, Powerful Boilers

Made with improved push nipple type for joining the sections. This connection consists of heavy machine turned smooth tapered nipples made of cast iron and held together by heavy tie rods. These connections are so arranged that they are not exposed to the action of the fire and are unaffected by expansion or contraction of the sections; tight, permanent joints at all times. Their capacity can be increased or diminished by adding or taking from the sections.

Note especially the deep combustion chamber and the enormous amount of heating surface pressed to the action of the fire. This feature, combined with the long travel of gases, utilizes all of the effective heating units, giving efficiency with the most economical consumption of fuel. This also insures an immediate response to the action of the fire and quick heat to all parts of your building. All boiler ratings stated below are conservatively made according to accepted standards. Perfection boilers are perfectly adapted for soft coal burning. Perfection boilers are equipped with a large front and rear clean-out door, which gives you free and easy access to every part of the fire surface.



Sectional View

Prices and Specifications of Perfection Boilers F. O. B. Factory in Michigan
All Quotations are Subject to Market Changes

Number	Grate Surface	No. of Taps	Size of Smoke Pipe	Height to Outlet	Water Line	Total Length	Weight	Hot Water Rating	Steam Rating	Price Hot Water	Price Steam
17-G-255	22x30	2-4	10	53	45	54	2200	1300	950	$185.00	$215.00
17-G-256	22x37	2-4	10	53	45	61	2500	1650	1150	225.00	252.00
17-G-257	22x44	2-4	10	53	45	68	2800	2000	1350	260.00	290.00
17-G-258	22x51	2-4	10	53	45	75	3150	2625	1600	296.00	325.00
17-G-355	30x30	2-4	13½	59	48	52	3000	2400	1450	280.00	308.00
17-G-356	30x37	2-4	13½	59	48	59	3650	3000	1850	342.00	370.00
17-G-357	30x44	2-4	13½	59	48	66	4200	3600	2275	390.00	420.00
17-G-358	30x51	3-4	13½	59	48	73	4500	4200	2550	432.00	460.00
17-G-359	30x58	3-4	13½	59	48	80	5100	4800	2900	485.00	515.00
17-G-456	38x42	2-5	16	67	55	63	4800	5000	3000	500.00	525.00
17-G-457	38x50	2-5	16	67	55	71	5600	5875	3500	565.00	590.00
17-G-458	38x58	3-5	16	67	55	79	6400	6800	4000	630.00	660.00
17-G-459	38x66	3-5	16	67	55	87	7300	7800	4500	720.00	750.00
17-G-4510	38x74	3-5	16	67	55	95	8000	8300	5000	800.00	825.00

Perfection Plain Steam and Hot Water Radiators

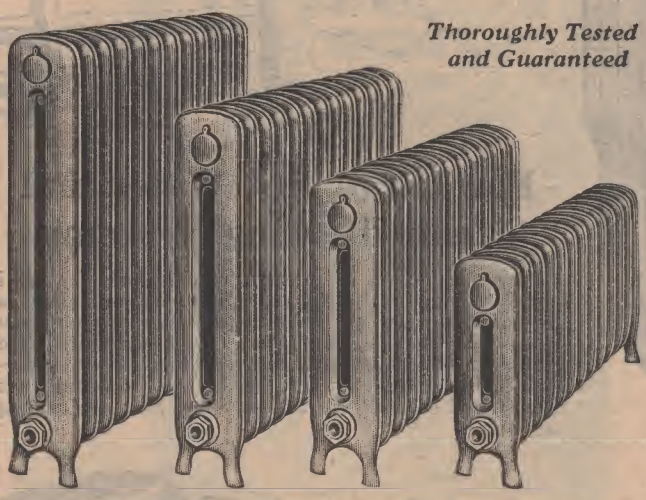
Perfection 3 Column Radiators

THESE Colonial design radiators are smoothly made from best gray iron. Each section is expertly cast in one piece. All surfaces must be perfect because of the plain design without old-fashioned ornamentation which covered imperfect careless castings. Easy to finish with gold or aluminum paint—easy to keep clean and sanitary.

Each section is tested separately and tested again when the complete radiator is assembled before shipment. Guaranteed perfect in every respect.

Prices below are for shipment direct from our warehouse in Western New York. We carry a large stock of radiators here at Chicago for the convenience of our customers. When shipments are made from Chicago, add 3c per ft. to cover freight charges.

Thoroughly Tested and Guaranteed



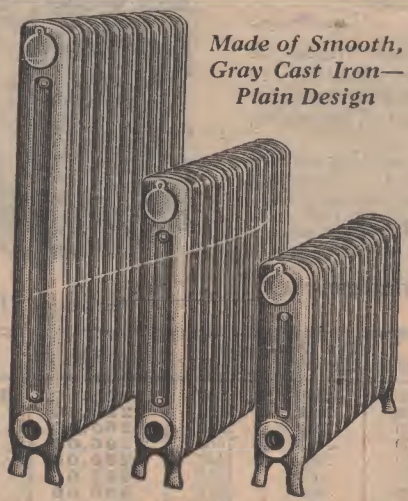
Perfection 2 Column Radiators

ONE COLUMN RADIATORS *17-G-5300*	PRICES Hot Water	Steam
38 inch high, 3 sq. ft. per section—per ft.	$0.36	$0.35
26 inch high, 2 sq. ft. per section—per ft.	.44	.44
20 inch high, 1½ sq. ft. per section—per ft.	.51	.50
TWO COLUMN RADIATORS *17-G-5305*	Hot Water	Steam
38 inch high, 4 sq. ft. per section—per ft.	$0.35	$0.34
32 inch high, 3⅛ sq. ft. per section—per ft.	.37	.35
26 inch high, 2⅔ sq. ft. per section—per ft.	.42	.40
20 inch high, 2 sq. ft. per section—per ft.	.47	.45
THREE COLUMN RADIATORS *17-G-5310*	Hot Water	Steam
38 inch high, 5 sq. ft. per section—per ft.	$0.34	$0.33
32 inch high, 4⅛ sq. ft. per section—per ft.	.36	.35
26 inch high, 3¾ sq. ft. per section—per ft.	.40	.39
22 inch high, 3 sq. ft. per section—per ft.	.44	.42
18 inch high, 2¼ sq. ft. per section—per ft.	.48	.47
FIVE COLUMN RADIATORS *17-G-5315*	Hot Water	Steam
22 inch high, 6 sq. ft. per section—per ft.	$0.43	$0.43
18 inch high, 5 sq. ft. per section—per ft.	.48	.47
14 inch high, 4 sq. ft. per section—per ft.	.52	.51

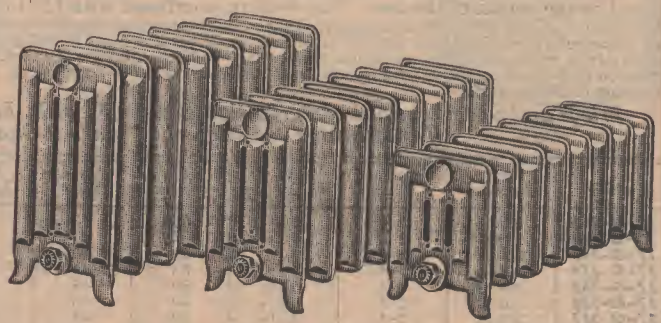
Made with standard tapping as follows:

Radiators containing 26 ft. or under ..... ¾ in.
Radiators containing more than 26 ft. (not exceeding 50 ft.) ..... 1 in.
Radiators above 50 ft. but not exceeding 90 ft. ..... 1¼ in.
Radiators containing above 90 feet ..... 1½ in.

Made of Smooth, Gray Cast Iron— Plain Design



Perfection One Column Radiators



Perfection 5 Column Low Radiators

All Quotations Are Subject to Market Changes

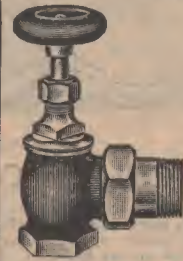
Heating Plant Accessories

Radiator Valves and Union Elbow

Floor Flange
5-G-202. Floor Flange.

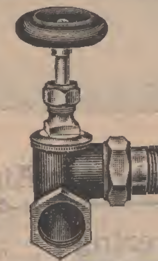
Size, Inches	Price, Each
½ inch	9c
¾ inch	11c
1 inch	13c
1¼ inch	15c
1½ inch	17c
2 inch	20c

Wood Wheel Radiator Air-Valve
5-G-183. Nickel plated Compression Radiator Air Valves with wood wheels. Size ⅛ inch....**15c**



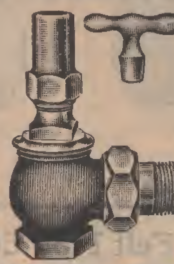
5-G-178. Jenkins' Disc Angle Radiator Valve with Union, nickel plated all over.

Size	Price
¾ inch	$1.35
1 inch	1.60
1¼ inch	2.00
1½ inch	2.60
2 inch	4.25



Specify Right or Left Hand Corner when ordering.
5-G-174. Jenkins Disc corner radiator valves with union.

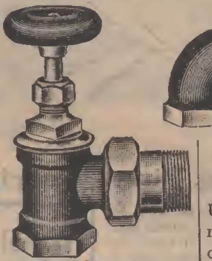
Size	Price
¾ inch	$1.90
1 inch	2.25
1¼ inch	3.00
1½ inch	3.80
2 inch	6.15



5-G-177. Lock Shield Jenkins' Disc with union, nickel plated all over.

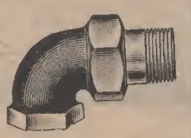
Size	Price
¾ inch	$1.70
1 inch	2.10
1¼ inch	2.85
1½ inch	3.65

Keys, Extra, Each, **20c**



5-G-179. Quick Opening Hot Water Radiator Valve with Union, nickel plated all over.

Size	Price
¾ inch	$1.05
1 inch	1.35
1¼ inch	1.60
1½ inch	2.00
2 inch	3.25



5-G-180.
Hot Water Union Elbows, nickel plated all over.

Size, Inches	Price, Each
¾ in.	$0.60
1 in.	.70
1¼ in.	.95
1½ in.	1.15
2 in.	2.00

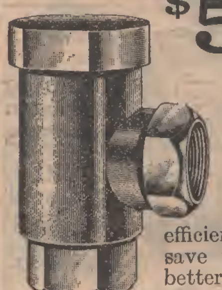
Ceiling Flange
5-G-203. Ceiling Flange.

Size, Inches	Price, Each
½ inch	9c
¾ inch	11c
1 inch	13c
1¼ inch	15c
1½ inch	17c
2 inch	20c

Loose Key Radiator Air-Valve
5-G-181. Nickel plated loose key compression radiator air valves. Size, ⅛ inch. Price....**15c**

Hot Water Heat Governor

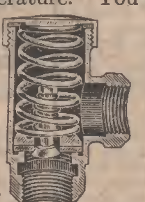
$5.50 *Efficient, Economical, Easily Attached*



This device keeps a constant pressure of about 10 pounds on the water of the system and permits you to heat the water to a very high temperature. You will get much higher heating efficiency on the plant, save fuel and will get better circulation.

Can be attached in a few minutes to any Hot Water Heating system. Made of solid bronze throughout—will not rust or get out of order, will last a lifetime.

5-G-4570. Heat governor (weight, 5 pounds). Price.... **$5.50**



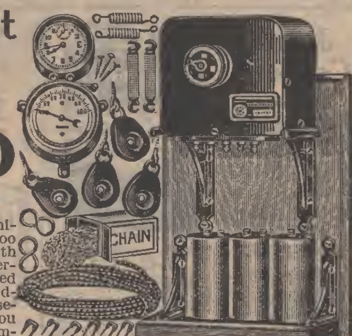
Sectional View showing the splendid construction of heat governor.

Automatic Air Valve for Steam

5-G-184.
Nickel plated automatic radiator air valves for steam. Size of connection pipe, thread, ⅛ inch.
Each...**40c**

Thermostat Heat Regulator

$40 Complete

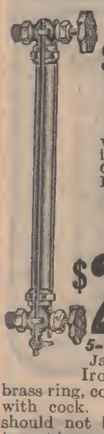


Here is one of the most wonderful devices ever made to do away with heating plant drudgery. An automatic janitor, tireless, exact, never too lazy to get up. Operates with the utmost simplicity. Thermostat and clock are mounted in your living room, or bedroom, the motor in the basement. Before retiring, you set the thermostat for the temperature you wish maintained during the night, and the alarm clock at about two hours before you intend to arise. That's all. At the proper time, the alarm goes off, pushing the thermostat up to 70 degrees, and when you get up, your home is nice and warm. Full instructions for installation furnished with each outfit.

Outfit includes thermostat, alarm clock, high grade motor with pulley, 25 feet insulated electric cable, 2 insulated wires for connecting motor to batteries, 2 dry cell connectors, 1 dry cell platform, 4 pulleys for chain, 1 chain for operating dampers, 6 insulated cable staples and thermostat screws. (Dry cells not included.) Shipping weight, complete, about 30 pounds.

5-G-6500. Special price, complete, without dry cells...... **$40.00**

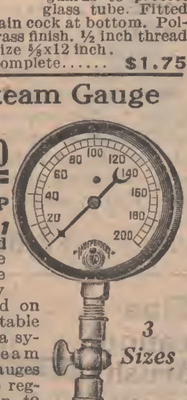
Water Gauge Set



$1.75 ***5-G-9501.*** Complete water gauge set. Made with brass body, iron wheels and two guards to protect glass tube. Fitted with drain cock at bottom. Polished brass finish. ½ inch thread Glass, size ⅝x12 inch. Price, complete...... **$1.75**

Steam Gauge

$2.10 UP



5-G-9511 Japanned Iron Case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges are guaranteed to register accurately up to 200 pounds. Each gauge is packed in a wooden box.

3 Sizes

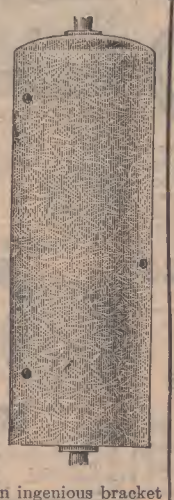
Size dials, inches	3½	4½	5
Price, each	$2.10	$2.25	$2.65

Low pressure steam gauge registering up to 30 pounds, 3½ inch Dial.. **$2.10**

Galvanized Steel Expansion Tanks

These are used in connection with hot water heating plants. Water gauge not included at prices quoted.

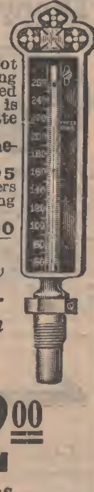
	Cap. Gals.	Size Ins.	Sq. ft. of Radiation	Price Each
5-G-190	8	10x20	300 to 400.	$ 8.00
5-G-191	10	12x20	400 to 500.	8.20
5-G-193	15	12x30	500 to 600.	9.20
5-G-195	20	14x30	600 to 700.	12.80
5-G-197	26	16x30	700 to 900.	14.35
5-G-198	32	16x36	1000 to 1300.	15.35
5-G-199	42	16x48	1300 & up....	16.85
5-G-201	Expansion tank gauge set			1.05



Improved Expansion Tank Bracket

5-G-280. An ingenious bracket to hold expansion tanks in hot water heating systems or range boilers. Quickly attached to wall studding by screws furnished. Grip clamp on flange tank holds it securely in place. Price, each.................. **$1.35**

Hot Water Thermometers

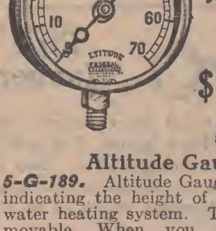


Used in connection with hot water heating plants, registering up to 220 degrees. Guaranteed accurate. Each thermometer is carefully packed in a separate wooden box.

5-G-187. Straight Thermometers as shown in illustration. Price, each............ **$1.05**

5-G-188. Angle Thermometers for use on risers or circulating pipes. Price, each............ **$1.20**

New Pattern



$2.00

Altitude Gauges

5-G-189. Altitude Gauges are used for indicating the height of water in a hot water heating system. The red hand is movable. When you determine the height of water to just fill the system correctly, set the red hand at that point and then the indicating hand should be right on top of it. Each............ **$2.00**

Pipe Covering and Heating Accessories

Moulded Asbestos Pipe Covering

21-G-204. This form of covering is offered as a durable and effective non-conducting covering. It is absolutely fireproof and is made in sections in the various sizes, 3 feet long, which are finished with canvas jackets, and provided with sufficient metal bands to securely fasten it to the pipe. Thickness of covering, 1 inch.

For Pipe, Size	Price, per 3 ft. Length	For pipe, Size	Price, per 3 ft. length
½	**$0.33**	2	**$0.55**
¾	**.37**	2½	**.60**
1	**.41**	3	**.65**
1¼	**.45**	3½	**.72**
1½	**.50**	4	**.90**

Wool Felt Pipe Covering

21-G-205. Especially recommended for hot water heating plants. This covering is made of soft corrugated wool felt with interlining of two layers of asbestos felt, and finished with a canvas jacket.

For Pipe, Size	Price, per 3 ft. Length	For Pipe, Size	Price, per 3 ft. Length
¾	**$0.25**	2½	**$0.44**
1	**.29**	3	**.49**
1¼	**.33**	3½	**.55**
1½	**.37**	4	**.60**
2	**.40**		

Asbestos Air Cell Pipe Covering

21-G-206. Suitable for steam or hot water heating plant. Is a first class insulator. It is ½" thick, made up of layers of Asbestos with small air spaces between. These air spaces very materially increase the efficiency of the covering. It is light, thus reducing freight charges. Mechanically stronger, so less liable to breakage, and we believe it is in every way equal to the Asbestos Moulded Pipe Covering. Sold in sections of 3 feet. Easily applied. Metal bands for each section.

For Pipe, Size	Price, per 3 ft. Length	For Pipe, Size	Price, per 3 ft. Length
½	**$0.21**	2	**$0.37**
¾	**.24**	2½	**.40**
1	**.27**	3	**.45**
1¼	**.30**	3½	**.50**
1½	**.34**	4	**.57**

Joint Cement

5-G-9535.
For use in steam, hot water or other pipe connections. Makes joints air tight; does not harden; easy to put in pipe connections without breaking the fitting.
2-lb. can **35c**

"Boiler Never-leak"
5-G-1210.
Liquid Chemical: guaranteed to stop ordinary leaks and cracks in steam and hot water heating boilers by drawing water down below the top of the boiler, mixing liquid and keeping a hot fire for 48 hours. For boilers up to 1000 ft. 1 qt. is required. Boilers up to 2000 ft. 2 qts. 3000 to 4000 ft. 3 qts. Weight 3 lbs.
Per qt.... **$2.50**

Red Lead

This is the regular plumbers' red lead for making joints water, gas or steam tight.
5-G-7850.
Comes in one-pound cans.
Price
Per can. **18c**

Asbestos Cement

100 lb. Bag **$1.80**

21-G-207. A dry cement for covering heating boilers, iron or any other surface to prevent loss of asbestos fibre and other materials. Increases efficiency of boiler.

As asbestos Moulded covering for fittings are only made as ordered, we would recommend the use of Asbestos cement in their place. Figure 1½ lbs. of cement to a fitting up to 2 inches.

Price, per 100-lb. bag........ **$1.80**

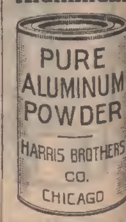
Radiator Bronze

5-G-7590.
Gold Bronze Powder.
½ lb.. **$0.55**
1 lb.. **1.00**

5-G-7585. Radiator bronze mixing liquid and brush.

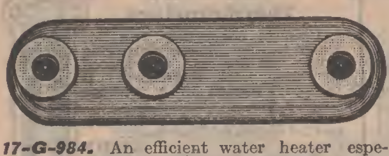
	Each
1 quart cans...	**$0.35**
½ gallon can..	**.65**
1 gallon can....	**1.15**
Bronzing brush.	**.40**

Radiator Aluminum



5-G-7595.
Aluminum Bronze Powder.
½ lb. **$0.65**
1 lb.... **1.20**

Domestic Water Heater



17-G-984. An efficient water heater especially made to be used in any standard furnace. Made of finest smooth gray cast iron. Convenient clean-out plug enables you to remove sediment. Two openings for 1 inch pipe. Easily installed by removing parts covering these openings. Efficiently used in connection with any 40 gallon range boiler.
Price, each.......................... **$2.25**

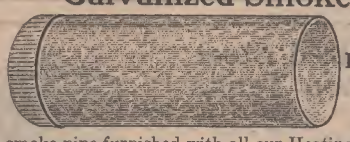
Pipe Hangers

Can be cut to all desired lengths by disconnecting two lower screws. The most practical pipe hanger on the market. Easy to adjust.

21-G-185. Adjustable length, 2 to 10 ins.

Pipe Inches	Each	Pipe Inches	Each
1	**$0.08**	2	**$0.11**
1¼	**.09**	2½	**.12**
1½	**.10**	3	**.15**

Galvanized Smoke Pipe

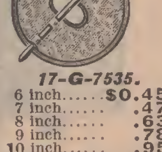


Per Foot **30c**

17-G-7530. Our regular galvanized smoke pipe furnished with all our Heating Plants, made of 26-gauge heavy galvanized sheet iron, comes in 2 foot lengths. This stack is shipped knocked down in the flat sheets all flanged and seamed. Can be assembled in a few minutes. Prices as follows:

Inch	6	7	8	9	10	12
Per foot	30c	31c	32c	33c	36c	39c

Dampers



17-G-7535.

6 inch	**$0.45**
7 inch	**.47**
8 inch	**.63**
9 inch	**.78**
10 inch	**.95**
12 inch	**1.10**

Smoke Pipe Elbows

45c

17-G-7540.
26-gauge galvanized Elbows to fit above smoke pipe. Prices as follows:

Inch	6	7	8	9	10	12
Each	40c	46c	54c	62c	77c	$1.08

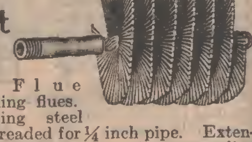
Perforated Strap Iron

21-G-1186. For large pipe or long drops we recommend our ⅛ perforated strap iron. 5 ft. and 10 ft. lengths, Price, per foot......... **$0.05½**

Iron Pipe Water Heating Coil

17-G-1204. Hot water Heating Coil for use with Harris Square Perfection Boilers. Completely assembled, ready for installation. Made from 1¼ inch pipe and fittings. Outside connection ¾ inch. Suitable for heating 30 or 40 Galvanized Range Boilers. Weight, about 12 pounds.
Price, each....... **$2.00**

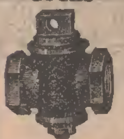
Flue Cleanout Brush



17-G-1209. Flue brush for cleaning flues. Made of spring steel with handle threaded for ¼ inch pipe. Extension handle can easily be made by coupling to ¼ inch pipe. Shipping weight, 1 lb.
Price.............................. **$1.10**

Brass Valves—Cocks—Iron Body Valves

STANDARD BRASS STEAM COCKS



4-G-4919.

Size	Each
¼ in...	$0.39
⅜ in...	.44
½ in...	.55
¾ in...	.85
1 in...	1.15
1¼ in...	1.82
1½ in...	2.39
2 in...	3.25

STANDARD BRASS GAS SERVICE COCKS

5-G-4921.

Size	Each
⅜ in...	$0.44
½ in...	.50
¾ in...	.60
1 in...	.94
1¼ in...	1.49
1½ in...	2.04
2 in...	3.60

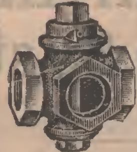
COMPRESSION GAUGE COCKS

5-G-4915.

With wood handles, brass finished, with stuffing box.

Size	Each
⅜ in...	$0.77
½ in...	.83
¾ in...	1.02

THREE-WAY BRASS STEAM COCKS



5-G-4917.

Size	Each
½ in...	$2.10
¾ in...	2.77
1 in...	3.46
1¼ in...	5.28
1½ in...	6.60
2 in...	9.68

Prices of All Material on This Page Are Subject to Market Changes

Full standard weights, suitable for 100-pound steam pressure. For use either steam or water purposes. Made of the best grade metals of proper mixture to give excellent satisfaction. The valves are carefully machined and have full openings. We guarantee them fully in every respect and we will replace any valve without charge that does not prove entirely satisfactory.

STANDARD BRASS GLOBE VALVES

5-G-4901.

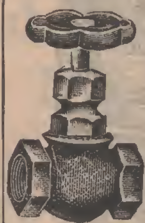
Size	Each
⅛ in...	$0.33
¼ in...	.35
⅜ in...	.37
½ in...	.50
¾ in...	.66
1 in...	.77
1¼ in...	1.32
1½ in...	1.52
2 in...	2.30

STANDARD GATE VALVES

5-G-4909.

Size	Each
¼ in...	$0.83
⅜ in...	.85
½ in...	.94
¾ in...	1.15
1 in...	1.62
1¼ in...	2.15
1½ in...	2.86
2 in...	4.18

JENKINS' DISC BRASS GLOBE VALVES



5-G-4905.

Size	Each
¼ in...	$0.53
⅜ in...	.60
½ in...	.83
¾ in...	1.15
1 in...	1.48
1¼ in...	2.09
1½ in...	2.86
2 in...	4.51

STANDARD BRASS ANGLE VALVES

5-G-4903.

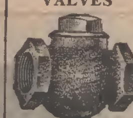
Size	Each
⅛ in...	$0.33
¼ in...	.35
⅜ in...	.37
½ in...	.50
¾ in...	.66
1 in...	.77
1¼ in...	1.32
1½ in...	1.52
2 in...	2.30

JENKINS' DISC BRASS ANGLE VALVES

5-G-4907.

Size	Each
¼ in...	$0.53
⅜ in...	.60
½ in...	.83
¾ in...	1.15
1 in...	1.50
1¼ in...	2.09
1½ in...	2.86
2 in...	4.50

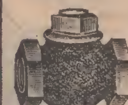
STANDARD HORIZONTAL CHECK VALVES



5-G-4923.

Size	Each
⅛ in...	$0.33
¼ in...	.35
⅜ in...	.36
½ in...	.44
¾ in...	.56
1 in...	.79
1¼ in...	1.10
1½ in...	1.54
2 in...	2.36

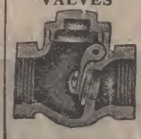
JENKINS' DISC BRASS CHECK VALVES



5-G-4925.

Size	Each
¼ in...	$0.53
⅜ in...	.55
½ in...	.60
¾ in...	.99
1 in...	1.35
1¼ in...	1.87
1½ in...	2.35
2 in...	3.50

STANDARD SWING CHECK VALVES



5-G-4927.

Size	Each
½ in...	$1.00
¾ in...	1.10
1 in...	1.38
1¼ in...	1.81
1½ in...	2.35
2 in...	3.30

STANDARD VERTICAL CHECK VALVES

5-G-4929.

Size	Each
¼ in...	$0.59
⅜ in...	.64
½ in...	.83
¾ in...	1.05
1 in...	1.48
1¼ in...	5.08
1½ in...	2.89
2 in...	4.37

Bibb Air Cock

5-G-4913.

Size	Each
⅛ inch	$0.40
¼ inch	.50
⅜ inch	.55
½ inch	.63

Pop Safety Valves

With phosphor bronze seats. For boilers of all kinds. Be sure to state pressure the valve is to be set at.

5-G-4931.

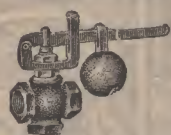
Size, In.	Horse Power.	Each up to 15 lb. Pressure	Each from 15-100 lb. Pressure
¾	8	$2.91	$ 5.10
1	12	3.40	6.32
1¼	18	3.85	7.60
1½	20	4.12	9.51
2	30	6.55	14.57

Lever Safety Valves

5-G-4933.

Size	Each
½ inch...	$2.03
¾ inch...	2.42
1 inch...	3.08
1¼ inch...	4.50
1½ inch...	5.35
2 inch...	7.45

STANDARD BRASS BALL AND LEVER SAFETY VALVES



Brass Air Cocks

5-G-4911.

Size	Each
⅛ inch	$0.24
¼ inch	.33
⅜ inch	.35
½ inch	.37

Check Valves

IRON BODY HORIZONTAL CHECK VALVES

21-G-150. Brass mounted screw ends.

Size	Each	Size	Each
2½ in.	$ 6.00	4 in...	$13.00
3 in.	8.20	5 in...	20.30
3½ in.	11.30	6 in...	27.50

Iron Body Valves

Standard weight, well proportioned; suitable for working pressure up to 100 lbs. For steam or water. Fully guaranteed.

Check Valves

IRON BODY HORIZONTAL CHECK VALVES

21-G-108. Brass mounted, flange ends.

Size	Each	Size	Each
3 inch...	$10.50	5 inch...	$24.00
4 inch...	16.50	6 inch...	32.25

IRON BODY ANGLE VALVES

21-G-104. Brass mounted with yoke flange ends.

Size	Each
2½ inch.....	$ 9.60
3 inch.....	13.50
3½ inch.....	16.65
4 inch.....	20.25
5 inch.....	27.90
6 inch.....	37.80

IRON BODY GLOBE VALVES AND ANGLES

Brass mounted with yoke, screw ends.

21-G-101. Globe Valve.

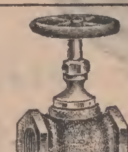
21-G-105. Angle Valve.

Size	Each
2½ inch.....	$ 8.10
3 inch.....	11.25
3½ inch.....	13.70
4 inch.....	17.10
5 inch.....	24.30
6 inch.....	33.75

IRON BODY GLOBE VALVES

21-G-103. Brass mounted, with yoke, flange ends.

Size	Each
2½ inch...	$ 9.60
3 inch...	13.50
3½ inch...	16.65
4 inch...	20.35
5 inch...	27.90
6 inch...	37.80



IRON BODY GLOBE VALVES

21-G-97. Brass mounted, plain screw ends.

Size	Each
2 inch...	$4.50
2½ inch...	6.50
3 inch...	9.00

IRON BODY ANGLE VALVES

21-G-99. Brass mounted, plain screw ends.

Size	Each
2 inch...	$4.50
2½ inch...	6.50
3 inch...	9.00

STRAIGHT WAY GATE VALVES

21-G-109. Iron body, brass trimmings, stationary stem, screw ends.

Size	Each
2½ inch...	$ 9.55
3 inch...	11.60
3½ inch...	14.10
4 inch...	15.90
5 inch...	23.80
6 inch...	27.45

STRAIGHT WAY GATE VALVES

21-G-110. Iron body, brass trimmings, stationary stem, flange ends.

Size	Each
2½ inch...	$11.00
3 inch...	13.50
3½ inch...	16.00
4 inch...	18.90
5 inch...	25.75
6 inch...	29.95

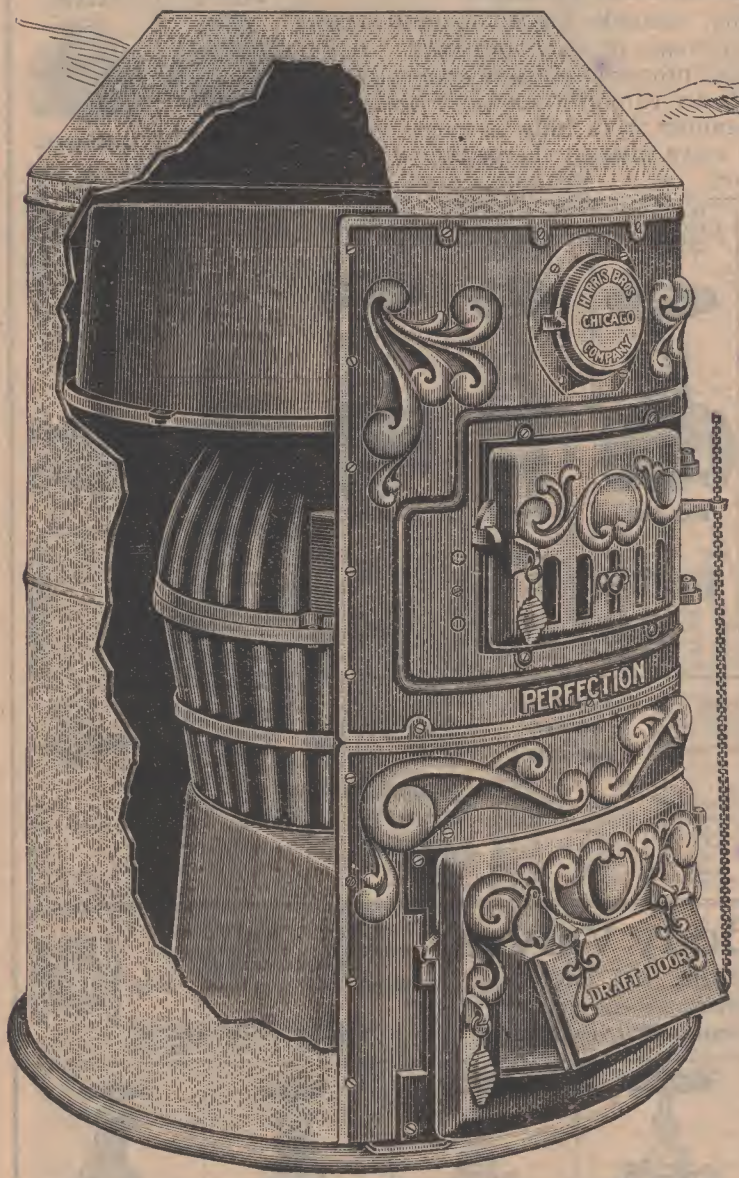
LET US KNOW YOUR NEEDS

Used Valves and Fittings!

In connection with our big purchases of complete plants and factories, we receive a steady supply of valves and fittings of every kind. Send us a list of your requirements for low, quick sale prices.

WRITE FOR PRICES NOW

Perfection Warm Air



Sectional view showing the deep, heavily corrugated firepot, large radiator and roomy ashpit

For Warm Air Pipe Heating Systems

HARRIS Warm Air Heating Systems offer many advantages to the careful buyer. They are made of all new high grade material in a large up-to-date, well equipped foundry. Every piece and part is carefully constructed by skilled workmen, carefully assembled and inspected before shipment. All furnaces are entirely set up when completed, the holes are drilled to match, the doors tight, and all parts must fit perfectly. Read the following specifications; you will then clearly see why you should buy a Harris Warm Air Heating System, with its many advantages, and no other:

Harris Furnaces are furnished with cast iron reversible radiators. The castings are extra heavy The upper and lower sections are securely bolted together with asbestos between the joints, making an absolutely air tight construction. The fire and gases must pass completely around the circumference of the radiator, thus giving off all of the heat before passing up the chimney. The extra large clean-out openings permit thorough and easy cleaning of radiators without removing smoke pipe. All the radiators are constructed so that any fuel can be burnt without clogging. The smoke collars and clean-out collars are cast and extend through the casing.

The Ash Pit is large and roomy, allowing for an accumulation of ashes without danger of burning the grate bars. The grate is extra heavily constructed, bars are triangular type and clinkers can be quickly removed. Any of the bars can be removed or replaced in a minute's time—no tools necessary.

Ashpit or Draft Door is of butterfly type and can be regulated by means of damper chains from the living rooms. All furnaces are tapped for hot water coil.

The Casing Construction on Harris Furnaces is such as to conserve the greatest amount of heat possible. The outer casing is bright galvanized steel—26 gauge, lined with asbestos and corrugated tin which is riveted to the upper casing and which gives proper insulation. This method of construction forces all of the heat through the supply pipes to the living rooms and thus effects a large saving in fuel.

The Feed Section is extra heavy cast iron—designed to follow the cone shape of the fire. Built with an unusual amount of heating surface which guarantees maximum combustion

The Fire Pot is in two parts, the sections being set together with deep grooves, thus allowing for expansion and contraction, which reduces the possibility of cracking to the minimum. We supply with each furnace sufficient cement to make all joints gas tight. The heavy corrugation of the fire pot gives greatest heating surface possible. The heating capacity of our furnaces is greatly increased by the extra depth of the fire pot.

Accessories With each furnace we include, without extra charge, check draft, asbestos cement, water pan, poker, shaker handle, draft and regulating dial plate, chain and pulleys.

Prices and Specifications of Perfection Furnaces on Opposite Page

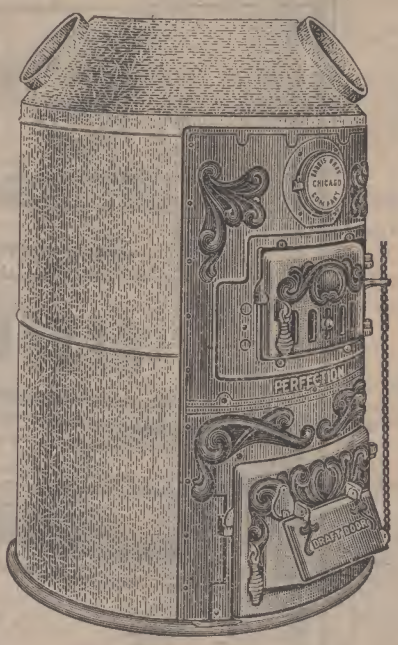
Furnaces

The Principle and Advantages of the Warm Air Pipe System

QUICK heat with an abundance of clean, moistened, healthful warm air circulating through all the rooms in your home, are some of the many desirable features which have made the Warm Air Heating System so popular. Aside from these advantages, an efficient, highly satisfactory Warm Air Heating System can be installed in less time, with less work and for considerably less money than a steam or hot water plant.

Warm Air Heating Systems are used everywhere for heating moderate size homes, stores, churches and schools. Where the furnace can be centrally located, a warm air plant always gives excellent results when installed according to the simple plans and easily understood instructions furnished free by our engineers.

In climates where there are quick changes in temperature only a low fire need be kept up on the mild days. Then, when there is a sudden drop in temperature, by simply opening the drafts, you can get almost instantaneous heat in all your rooms. The fresh air coming into the heating chamber through the cold air intakes and return register passes over the water pan, where it is cleaned and moistened. It is then heated in the upper part of the furnace, rising quickly through the pipes to the rooms above. As the air cools, it is led back to the furnace through the return air register, remoistened, recleaned, reheated and passed on to the rooms again. This insures even steady heat and good ventilation.



Our Expert Engineers Are Waiting to Help You

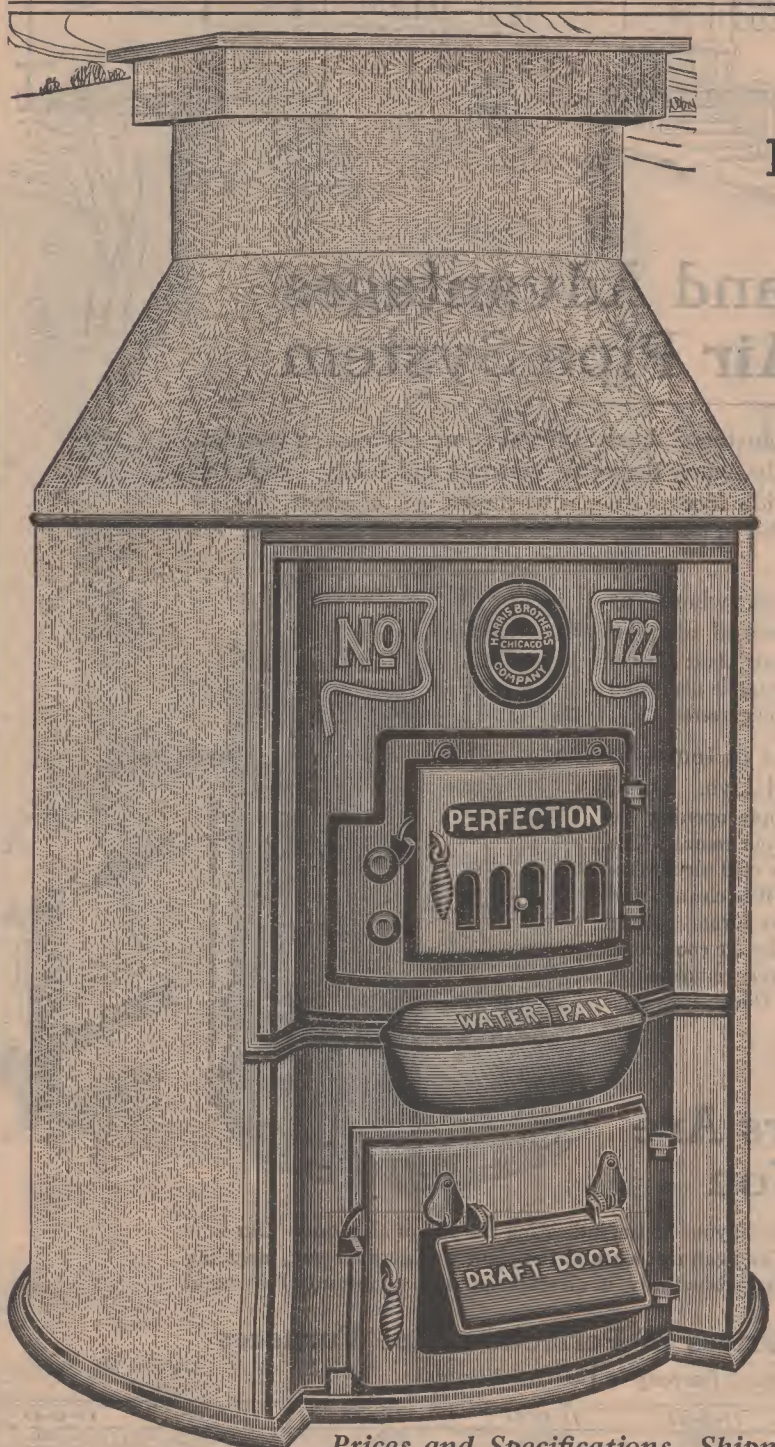
Simply send us a rough sketch of the layout of rooms in your house, indicating the size of all rooms. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you, including all the material for its installation, will heat your home satisfactorily, in all weather, with a substantial saving in fuel.

Specifications and Prices of Perfection Pipe Furnaces

Shipped from Factory in Central Illinois

Furnace Number	17-G-20	17-G-22	17-G-24	17-G-26	17-G-28	17-G-30
Heating Capacity, in cu. ft.	10,000	15,000	20,000	30,000	40,000	50,000
Diam. Fire Pot, in inches	20	22	24	26	28	30
Diam. Casing, in inches	42	46	50	54	58	62
Height Casing, inches	45	47	49	53	56	59
Height of Radiator, in inches	15	15	15	15	15	15
Size of Feed Door, in inches	11x13	11x13	11x13	11x13	11x13	11x13
Diameter Smoke Pipe, in inches	8	8	8	9	10	10
Shipping Weight, in lbs.	700	900	1,100	1,300	1,600	1,800
Price with Cast Iron Radiator	$63.00	$77.00	$93.00	$110.00	$135.00	$170.00

Perfection ReCirculating



Read How the Re-circulating Feature Cuts Your Fuel Bill!

Good circulation is absolutely necessary to heat all the rooms in your home with a Warm Air Pipeless Furnace. To supply heat through one register in one room with no provisions to keep the air circulating is not sufficient. The air rising from the furnace will retain its velocity while it is hot, but as it cools, begins to fall and will return to the cold air intake on the outer part of the floor register.

The Harris Re-circulating Pipeless System with its cold air intake returning to the furnace heats all of the rooms quickly and evenly in the coldest weather and in re-circulating the air from the rooms less heat is required and less fuel needed to retain the steady even heat. This continuous circulation of air in all rooms mixing with the fresh air which comes into any house through doors and windows is a healthful advantage that should not be overlooked.

A particular advantage of Harris Re-circulating Furnaces is the unusually large cold air return. The outer casing being placed 8 inches from the inner casing allows a quick, active return of the cold air from the rooms above which increases circulation and gives a constant flow of warm air through your living rooms.

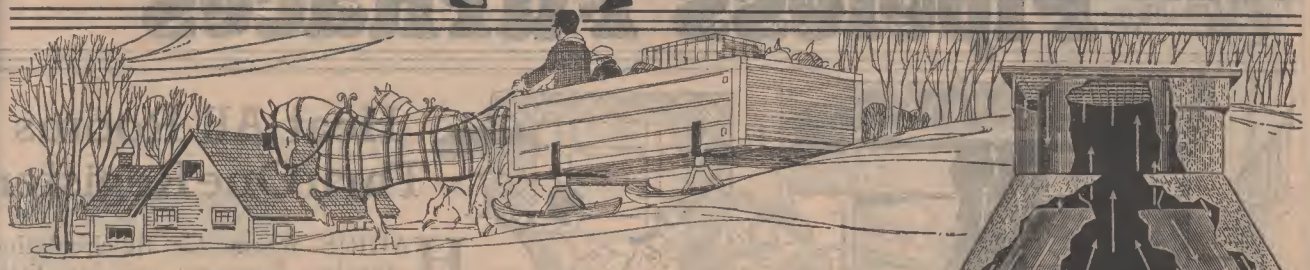
Built for Long Service!

"Harris" Re-circulating Double Casing Pipeless Furnaces are built to give lifelong service. Made entirely of cast-iron with double casing made of heavy galvanized iron. The fire pot is made in two sections with deep corrugations. The triangular grate and all parts coming in direct contact with the fire are made of finest heavy cast-iron. The ash pit is large and deep to prevent damage to the grate from accumulated ashes. Extra large door to ash pit and extra large fuel door. Large water pan. Cast-iron parts are smooth and nicely finished. The galvanized casing is securely fitted and perfectly joined.

Prices and Specifications—Shipment from Factory in Central Illinois

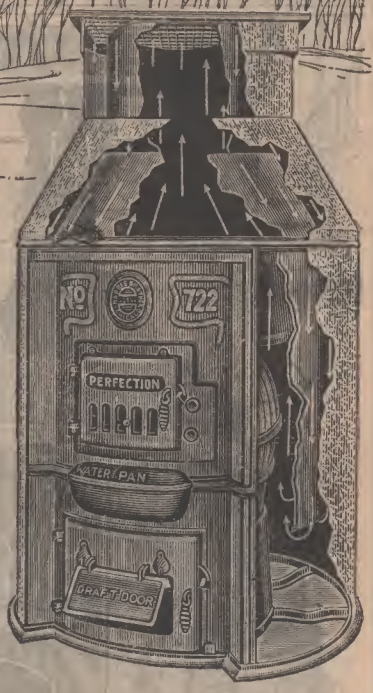
Number	Dia. Inner Casing	Dia. Outer Casing	Register Size	Dia. Hot Air Pipe	Heat Capacity Cubic Feet	Dia. Fire Pot	Size Feed Door	Dia. Smoke Pipe	Shipping Weight	Price
17-G-718	30 in.	38 in.	24x27	18 in.	10,000	18 in.	11x13	7 in.	900 lbs.	**$ 70.00**
17-G-720	34 in.	42 in.	30x30	22 in.	13,000	20 in.	11x13	8 in.	1,000 lbs.	**84.00**
17-G-722	38 in.	46 in.	34x34	26 in.	18,000	22 in.	11x13	8 in.	1,200 lbs.	**100.00**
17-G-724	42 in.	50 in.	36x36	28 in.	25,000	24 in.	11x13	8 in.	1,400 lbs.	**120.00**
17-G-726	46 in.	54 in.	40x40	30 in.	35,000	26 in.	11x13	9 in.	1,700 lbs.	**142.00**
17-G-728	50 in.	58 in.	44x44	32 in.	45,000	28 in.	11x13	10 in.	2,000 lbs.	**200.00**
17-G-730	54 in.	62 in.	44x48	36 in.	55,000	30 in.	11x13	10 in.	2,300 lbs.	**225.00**

Double Casing Pipeless Furnace



Every Nook and Corner of All Rooms Flooded with Clean Warm Air

Within a few moments after the fire is started, an abundance of warm air, cleaned and moistened from the water pan, rises quickly through one large register. This action naturally causes the cold air at the floor to fall, in a steady flow, toward the cold air intakes, where it is drawn in, cleaned, moistened, heated and passed on to the living rooms. In this way a continuous circulation is automatically started through all the rooms in your home—reaching to the farthest corners. All rooms adjoining the room in which the register is placed are evenly heated within a short time by simply opening the doors leading to them.

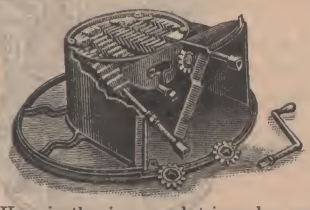


This sectional view shows clearly the extra large cold air return and the quick active warm air supply which increases circulation and prevents cold stagnant air pockets.

Large Cast Radiator

A special feature of "Harris" re-circulating double casing pipeless furnaces will be found in the extra large all-cast radiators. The cross-section view above shows the fire traveling. Gas and smoke must pass around the entire circumference and give up most of their heat before reaching the chimney.

Best Triangular Grate



Here is the improved triangular grate with which these splendid furnaces are equipped. Any of the grate bars can be removed or replaced without disturbing the rest of the grate in a moment's time. There are no bolts or cotter pins to take out—no special tools necessary. The most practical and convenient grate devised.

Improvements!

The "Harris" pipeless furnace has been carefully designed to embody all newest and best improvements, and as it is offered to you today it overcomes all the objectionable difficulties found in other makes. These furnaces present in themselves a complete heating system. They are ideal for the home, store, church, school and hall or for any building where the furnace can be placed in the basement near the center of the building. This furnace is designed to heat your entire building to an even temperature, distributing clean, warm air to every corner.

One Register System

The heated air rises through the center part of the register and circulates through doorways to all rooms, continuing to rise and travel while heated, then falling and returning to the furnace. In this way an almost perfect circulation is continually maintained.

Efficient—Economical

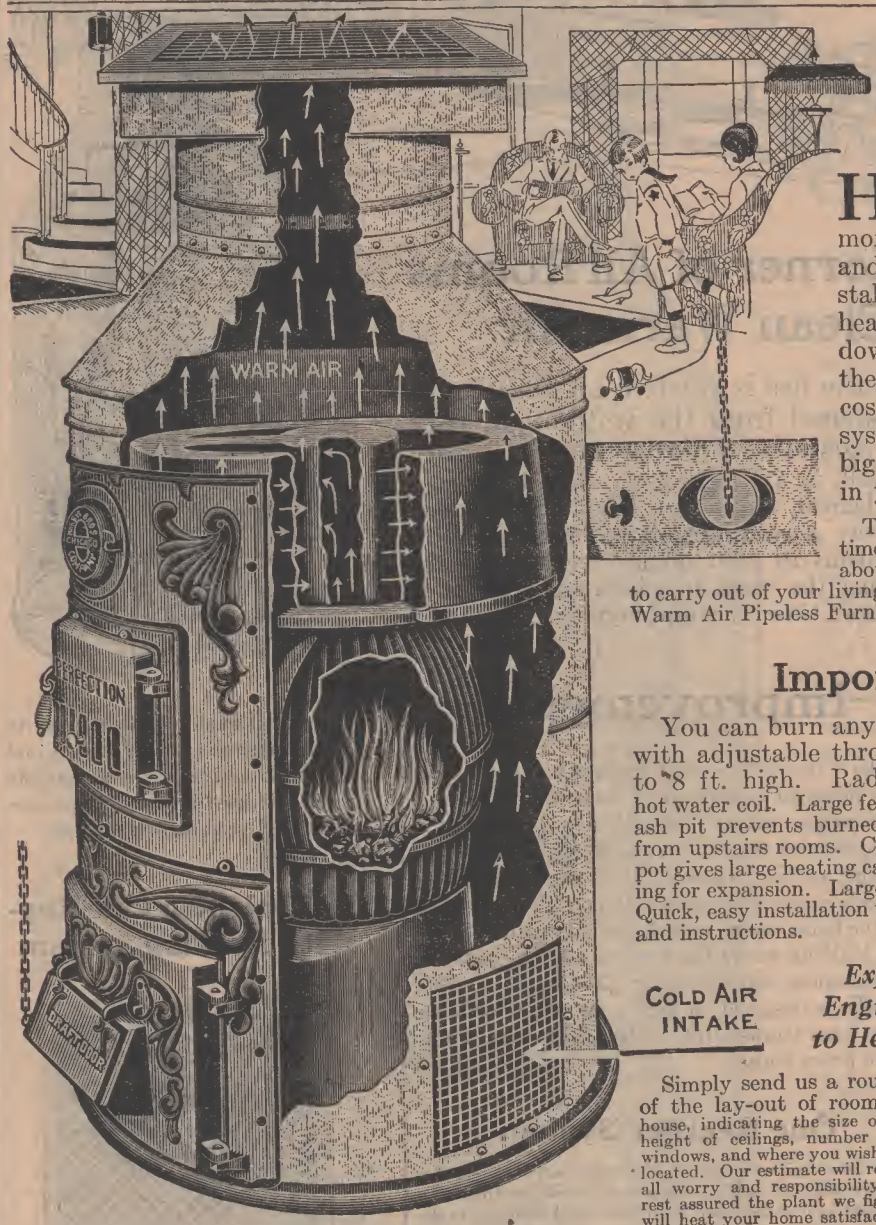
These splendid pipeless furnaces have been successfully installed and are giving thorough satisfaction in every part of the country. The principle of continuous circulation of heated, clean air to every corner is not only healthful but economical. There will be no stagnant air chambers in your home. When the heated air leaves the furnace, after giving up its heat, it returns to the furnace through the outer rim of the register, where it is cleaned, moistened and re-circulated through the heat register.

The Splendid One Register Heating System

With each Harris Pipeless Furnace we furnish a Black Japanned Finished Register of suitable size to supply an abundance of cold air to the furnace.

The outer casing is 26 gauge bright galvanized steel, lined with asbestos and galvanized corrugated steel.

Perfection Single Casing Pipeless Furnaces



Sectional view showing the excellent interior construction and air circulation

Heat All Rooms Thru One Register

HARRIS Warm Air Re-circulating Pipeless Furnaces cost but little more than an ordinary heating stove, and are much easier handled and installed when you consider that your heating stove must be put up and taken down every six months or so. Besides the substantial saving in their low first cost, they are the most compact heating systems offered today. There are no big cumbersome pipes to take up room in your basement.

The heat is under complete control at all times and easily regulated from the room directly above the furnace. No coal to carry in, no ashes to carry out of your living rooms when you use a Harris Re-circulating Warm Air Pipeless Furnace.

Important Features!

You can burn any kind of fuel with best results. Made with adjustable throat to fit in any basement from 6 ft. to 8 ft. high. Radiator clean-out plug. Tappings for hot water coil. Large feed door. Triangular revolving grates. Deep ash pit prevents burned out grates. Draft and damper controlled from upstairs rooms. Cast iron reversible radiator. Extra deep fire-pot gives large heating capacity; corrugated and in two sections allowing for expansion. Large water pan, cleans, purifies and moistens air. Quick, easy installation with our simple easily understood blue-prints and instructions.

Expert Engineers to Help You

Simply send us a rough sketch of the lay-out of rooms in your house, indicating the size of all rooms, height of ceilings, number and size of windows, and where you wish the furnace located. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you will heat your home satisfactorily in all weather.

Only one big centrally located register to comfortably heat all the rooms in your home; giving you more space in your living room, which otherwise would be taken up by the stove, radiators and unnecessary registers.

Prices and Specifications of Furnaces Shipped from Factory in Central Illinois

Furnace Number	17-G-620	17-G-622	17-G-624	17-G-626	17-G-628	17-G-630
Heating Cap., in cubic feet	8,000	13,000	18,000	28,000	38,000	48,000
Diam. of Casing, in inches	34	38	42	46	50	54
Height to Top of Casing, in inches	56	59	62	65	68	73
Height of Radiator, in inches	13	13	13	14	14	14
Diam. of Smoke Pipe, in inches	8	8	8	9	10	10
Size of Heating Register, in inches	18x24	20x26	22x28	28x28	28x36	36x36
Inside Diam. of Fire Pot, in inches	20	22	24	26	28	30
Shipping Weight, in pounds	817	991	1198	1465	1870	2110
Price, complete	$63.50	$73.00	$90.00	$110.00	$135.00	$160.00

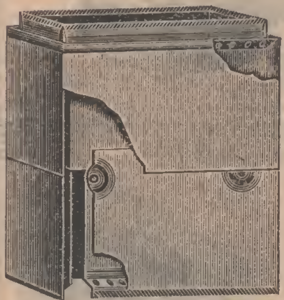
Improved Warm Air Furnace Equipment

The warm air furnace equipment on this and the following page present a careful selection. All improved features to increase the efficiency of warm air heating systems and simplify their installation.

Let Our Heating Engineers Help You

If you are planning to install a heating system and do not thoroughly understand all details of installation, you should take advantage of our Free Engineering service. Experts are waiting to help you.

Self-Locking DOUBLE Wall Pipe



17-G-117.
Adjustable Joint

Our Self-Locking Double Wall Pipe possesses the following points of superiority:

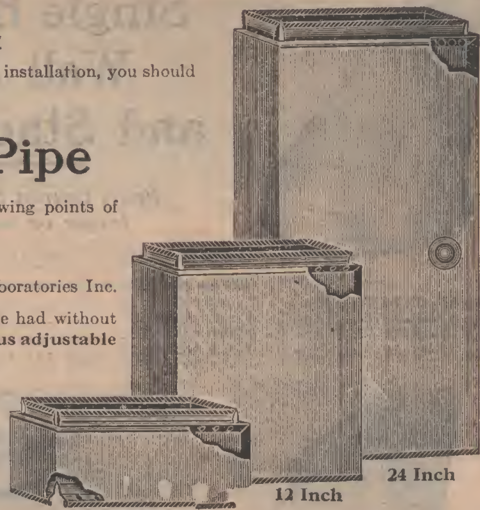
1—Locks automatically and permanently.

2—Complies with all requirements of the Underwriters Laboratories Inc.

3—Any desired length, even to a fraction of an inch can be had without cutting. **This is accomplished by means of our ingenious adjustable joint No. *17-G-117* illustrated at the left.**

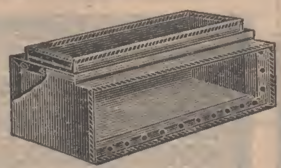
4—By using double wall pipe greatest efficiency can be obtained by saving 25 per cent, in transmitting heat as compared with single pipe wrapped with asbestos paper.

Low Prices!



Illustrating three sizes of our self-locking Double Wall Pipe

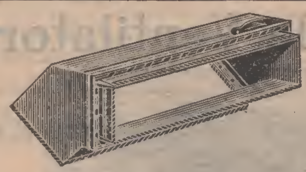
Order by Number		*17-G-14*	*17-G-16*	*17-G-17*	*17-G-18*
Size of Pipe	Inside	2⅜x10 ins.	2⅜x12 ins.	3x10 ins.	3x12 ins.
	Outside	3x10⅝ ins.	3x12⅝ ins.	3⅝x10⅝ ins.	3⅝x12⅝ ins.
Section 4 inches long		**$0.33**	**$0.46**	**$0.33**	**$0.46**
Section 6 inches long		**.46**	**.60**	**.46**	**.60**
Section 10 inches long		**.60**	**.70**	**.60**	**.70**
Section 12 inches long		**.65**	**.75**	**.65**	**.75**
Section 18 inches long		**.88**	**1.05**	**.88**	**1.05**
Section 24 inches long		**1.15**	**1.40**	**1.15**	**1.40**
17-G-117 Adjustable Joint		**.65**	**.75**	**.65**	**.75**



Stack Tees

17-G-116

For 17-G-14 Wall Pipe	**$ .87**
For 17-G-16 Wall Pipe	**1.08**
For 17-G-17 Wall Pipe	**.87**
For 17-G-18 Wall Pipe	**1.08**



Stack Angles

17-G-21

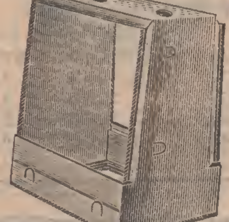
For 17-G-14 Wall Pipe	**$ .49**
For 17-G-16 Wall Pipe	**.54**
For 17-G-17 Wall Pipe	**.49**
For 17-G-18 Wall Pipe	**.54**

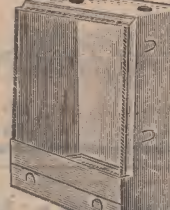
17-G-132

Base Board Registers

17-G-132. Newest and most efficient steel registers. This register can be attached to the tin box or stock head by means of straps for which holes have been provided. Wood screws are furnished with each register for attaching to studding.

Size	Black Japanned	Oxidized Cop.
8x10	**$1.70**	**$3.00**
9x12	**2.50**	**3.35**
10x12	**$3.10**	**$4.15**
11x13	**3.75**	**5.65**





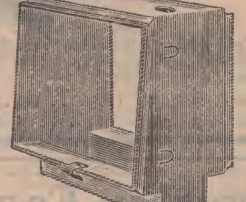
Stack Heads for First Floor

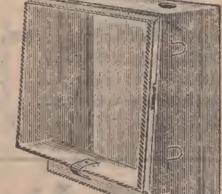
17-G-2. Stack Heads. For first Floor. Two Registers.

8x10	**$1.90**
9x12	**2.10**
10x12	**2.10**
11x13	**2.25**

17-G-1. Stack Head. For first Floor. One Register.

8x10	**$1.60**
9x12	**1.85**
10x12	**1.85**
11x13	**2.00**





Stack Heads for Second Floor

17-G-5. Stack Head. For second Floor. Two Registers.

8x10	**$1.90**
9x12	**2.10**
10x12	**2.10**

17-G-4. Stack Head. For second Floor. One Register.

8x10	**$1.60**
9x12	**1.85**
10x12	**1.85**

Angles for First Floor

17-G-221. Angles. For use first Floor Stack Heads ***17-G-1.***

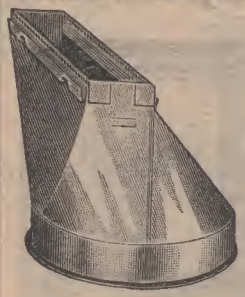
8x10	**$1.61**
9x12	**1.83**
10x12	**1.83**
11x13	**2.00**

17-G-521. Angles. For use first Floor Stack Heads ***17-G-2.***

8x10	**$1.99**
9x12	**2.10**
10x12	**2.10**
11x13	**2.25**

Prices on Single Stack Heads quoted on request

Warm Air Furnace Equipment and Supplies



Single Boots for Wall Stacks and Stack Heads

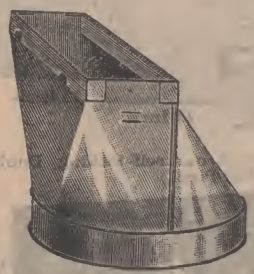
Boots cannot be furnished with collar, larger or smaller than indicated

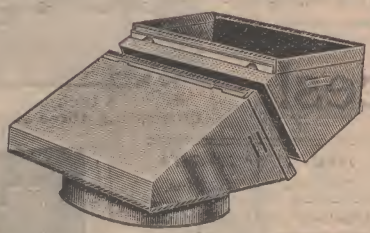
17-G-308. Boot for use with wall stacks:

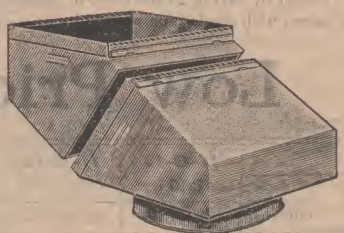
For ***17-G-14*** Wall Pipe, 7 inch collar..... 54c
For ***17-G-16*** Wall Pipe, 8– 9 inch collar..... 62c
For ***17-G-17*** Wall Pipe, 8– 9 inch collar..... 54c
For ***17-G-18*** Wall Pipe, 9–10 inch collar..... 62c

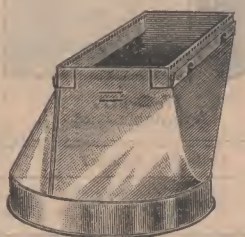
17-G-352. Boot and offset for use with wall stack where it is necessary to offset over a beam.

For ***17-G-14*** Wall Pipe, 7 inch collar..... 85c
For ***17-G-16*** Wall Pipe, 8– 9 inch collar..... 95c
For ***17-G-17*** Wall Pipe, 8– 9 inch collar..... 85c
For ***17-G-18*** Wall Pipe, 9–10 inch collar..... 95c









17-G-408. Boot for First Floor Stack Head No. 17-G-1.

Size, 8x10, 8 in. collar..... 65c
Size, 9x12, 9 in. collar..... 74c
Size, 10x12, 10 in. collar..... 74c
Size, 11x13, 12 in. collar..... 88c

17-G-452. Boot and offset for use with First Floor Stack Head 17-G-1, to offset over beam.

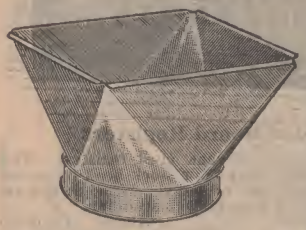
Size, 8x10, 8 in. collar..... $1.20
Size, 9x12, 9 in. collar..... 1.35
Size, 10x12, 10 in. collar..... 1.35
Size, 11x13, 12 in. collar..... 1.55

17-G-652. Boot and offset for use with First Floor Stack Head 17-G-2, to offset over beam.

Size, 8x10, 8 in. collar..... $1.21
Size, 9x10, 9 in. collar..... 1.35
Size, 10x12, 10 in. collar..... 1.35
Size, 11x13, 12 in. collar..... 1.56

17-G-608. Boot for First Floor Stack Head 17-G-2.

Size, 8x10, 8 in. collar..... $0.77
Size, 9x12, 9 in. collar..... .86
Size, 10x12, 10 in. collar..... .86
Size, 11x13, 12 in. collar..... 1.00

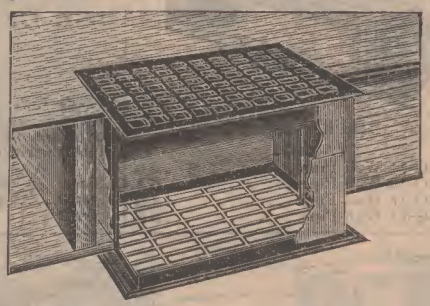


Register Box

17-G-601. Register Box for First Floor Floor Registers.

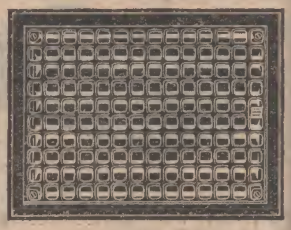
Size, 8x10, 8 in. collar..... $0.46
Size, 9x12, 9 in. collar..... .49
Size, 10x12, 10 in. collar..... .55
Size, 12x15, 12 in. collar..... .74
Size, 14x20, 14 in. collar..... 1.54

Adjustable Ventilators



17-G-602. Adjustable Ventilators. Adjustable from 7 to 12 inches, supplied with Black Japanned Register at top and White Japanned Register Face at bottom.

Size, 8x10..... $3.70
Size, 9x12..... 4.50
Size, 10x12..... $5.35
Size, 12x14..... 8.40



Floor Register

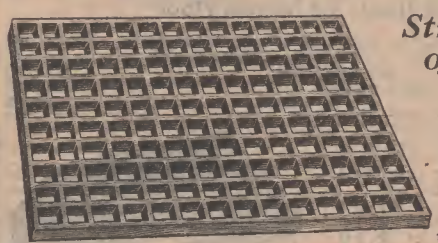
17-G-600. Floor Register.

Size	Register	Border
8x10	$1.40	$0.95
9x12	1.75	1.20
10x12	2.00	1.40
12x15	3.75	2.40
14x20	8.00	4.00

Return Air Register Face

Strongly Made of Select Oak

Eight Sizes



17-G-700. Oak Return Air Face.

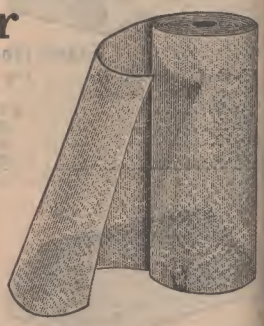
16x24..... $1.60
20x24..... 2.00
14x30..... 1.75
16x30..... 2.00
18x30..... $2.25
20x30..... 2.50
24x30..... 3.00
30x30..... 3.75

Asbestos Paper

17-G-710. A fireproof material made of natural, mineral asbestos fibre. It is very soft and pliable. It is usually applied with starch paste or the special asbestos paste listed below.

In addition to covering hot air pipes, asbestos paper can be used for covering ceilings, walls, partitions, exposed to heat. It comes in rolls 36 inches wide, weighing about 1 lb. to the sq. yd.

100 pound rolls, each..... $10.00
50 pound rolls, each..... 5.50



Asbestos Paste

17-G-712. Asbestos Paste for applying asbestos paper to pipes. Comes in 2½ pound packages. Per package..... 60c

Select Material of Best Manufacture

17-G-145.

17-G-7530.

Warm Air Tin Pipe

7 inch, per foot	24c	10 inch, per foot	30c
8 inch, per foot	25c	12 inch, per foot	35c
9 inch, per foot	26c	14 inch, per foot	64c

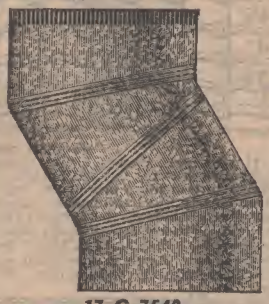
26 Gauge Galvanized Smoke Pipe

6 inch, per foot	30c	9 inch, per foot	33c
7 inch, per foot	31c	10 inch, per foot	36c
8 inch, per foot	32c	12 inch, per foot	39c

Warm Air Tin Pipe and Galvanized Smoke Pipe, made in two foot lengths only.

17-G-146.

All Pipe Perfectly Made
Easily Jointed and Tight



17-G-7540.

Adjustable Warm Air Tin Elbows

7 inch, each	33c
8 inch, each	35c
9 inch, each	39c
10 inch, each	46c
12 inch, each	77c

Other Desirable Features

Our Hot Air and Smoke Pipe comes in two foot lengths. Shipped knocked down. Each section is formed and shaped all ready to be locked in position and connected. By shipping this pipe knocked down and packed solid in a bundle it takes a much lower freight rate.

26 Gauge Adjustable Galvanized Smoke Elbows

6 inch, each	$0.40
7 inch, each	.46
8 inch, each	.54
9 inch, each	.62
10 inch, each	.77
12 inch, each	1.08

Steel Warm Air Dampers

17-G-147.

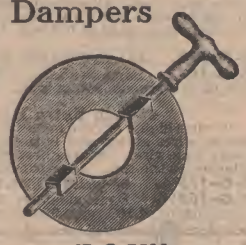
7 inch, per foot	23c
8 inch, per foot	25c
9 inch, per foot	28c
10 inch, per foot	31c
12 inch, per foot	46c
14 inch, per foot	62c

Warm or Cold Air Pipe Collars

Collar for attaching Hot Air and Cold Air Pipe to furnace.

Top Bonnet Collar 17-G-148.		Pitch Bonnet Collar 17-G-149.		Side Bonnet Collar 17-G-150.	
7 inch, each	28c	7 inch, each	28c	10 inch, each	35c
8 inch, each	31c	8 inch, each	31c	12 inch, each	40c
9 inch, each	35c	9 inch, each	35c	14 inch, each	45c
10 inch, each	39c	10 inch, each	39c	16 inch, each	65c
12 inch, each	46c	12 inch, each	46c	18 inch, each	75c
14 inch, each	56c	14 inch, each	56c	20 inch, each	95c

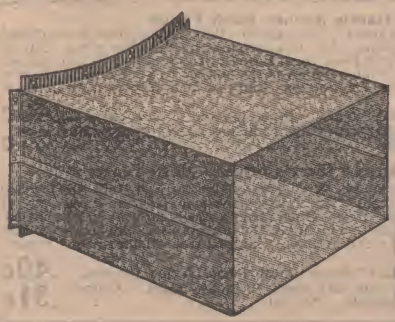
Cast Iron Smoke Dampers



17-G-7535.

6 inch, each	45c
7 inch, each	46c
8 inch, each	63c
9 inch, each	78c
10 inch, each	95c
12 inch, each	$1.10

Rectangular Return Air Shoe



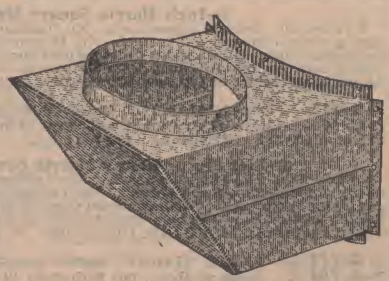
17-G-701. Return Air Shoe. For Rectangular Duct. Made of galvanized iron.

Size, 10x16 in., ea.	$2.70
Size, 12x18 in., ea.	2.80
Size, 13x20 in., ea.	3.20
Size, 14x23 in., ea.	3.60
Size, 15x26 in., ea.	4.25

Round Return Air Shoe

17-G-702. Return Air Shoe. For Round Ducts. Made of galvanized iron.

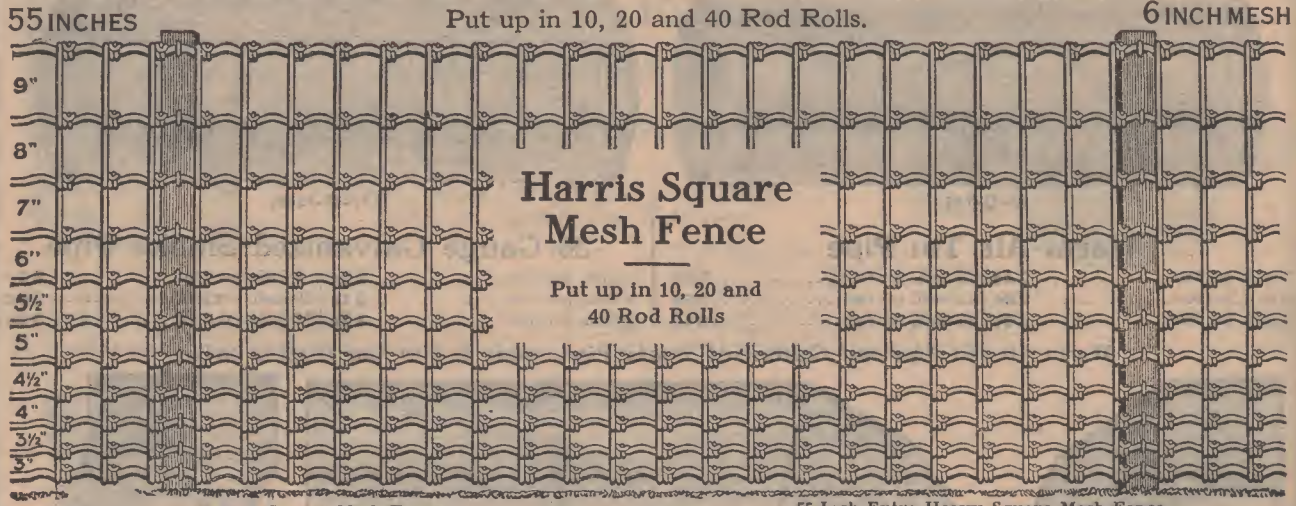
10x16 in., 14 in. collar. Each	$3.50
12x18 in. 16 in. collar. Each	$3.90
13x20 in. 18 in. collar. Each	$4.50
14x23 in. 20 in. collar. Each	$5.25
15x26 in. 22 in. collar. Each	$5.50



When ordering return air shoes give casing diameter of furnaces.

HARRIS SQUARE MESH FENCE

You will find this to be a very durable fencing. It is made of open hearth steel galvanized with the best quality of pure zinc spelter. This fencing has uniform tension curves in the line wires, which provide amply for contraction and expansion, due to changes in temperature, and keep the fence straight and tight during all seasons of the year. The fence will stretch evenly and perfectly over either level or hilly ground.

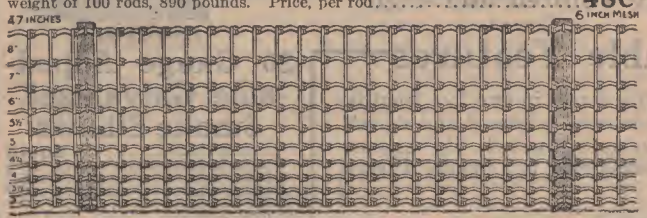


55-Inch Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge High Carbon Hard Steel Coiled Spring intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-G-111. 55-inch "HARRIS" fence. Price, per rod **66c**

2-G-101. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Price, per rod..... **48c**



47-Inch Harris Square Mesh Fence

10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,020 pounds. Shipped from factory near Chicago.

2-G-113. 47-inch "HARRIS" fence. Price, per rod **58c**

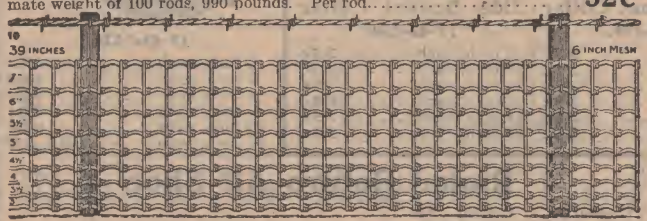
2-G-103. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 810 pounds. Per rod..... **44c**

47-Inch Extra Heavy Harris Square Mesh Fence

10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,280 pounds.

2-G-113½. 47-inch "HARRIS" fence. Per rod..... **68c**

2-G-103½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 990 pounds. Per rod..... **52c**



39-Inch Harris Square Mesh Fence

9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top. Approximate weight of 100 rods, 920 pounds. Shipped from factory near Chicago.

2-G-115. 39-inch "HARRIS" fence. Price, per rod..... **44c**

2-G-105. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 700 pounds. Per rod..... **40c**

39-Inch Extra Heavy Harris Square Mesh Fence

9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top. Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-G-115½. 39-inch "HARRIS" square mesh fence. Per rod..... **54c**

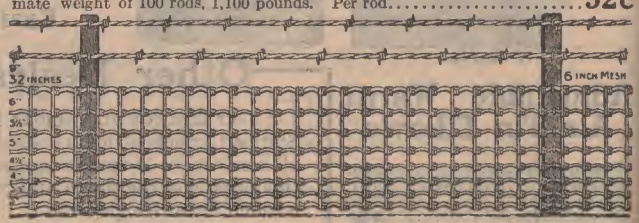
2-G-105½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Per rod..... **42c**

55-Inch Extra Heavy Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,410 pounds.

2-G-111½. 55-inch "HARRIS" fence. Price, per rod **77c**

2-G-101½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 1,100 pounds. Per rod..... **52c**



32-Inch Harris Square Mesh Fence

8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 830 pounds. Shipped from factory near Chicago.

2-G-117. 32-inch "HARRIS" fence. Price, per rod..... **45c**

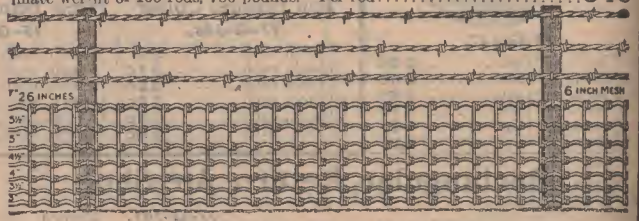
2-G-107. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 650 pounds. Per rod..... **31c**

32-Inch Extra Heavy Harris Square Mesh Fence

8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 11 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 980 pounds.

2-G-117½. 32-inch "HARRIS" square mesh fence. Per rod..... **52c**

2-G-107½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 780 pounds. Per rod..... **34c**



26-Inch Harris Square Mesh Fence

7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5½ inches at the top. Approximate weight of 100 rods, 720 pounds. Shipped from factory near Chicago.

2-G-119. 26-inch "HARRIS" fence. Price, per rod..... **40c**

2-G-109. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 580 pounds..... **27c**

26-Inch Extra Heavy Harris Square Mesh Fence

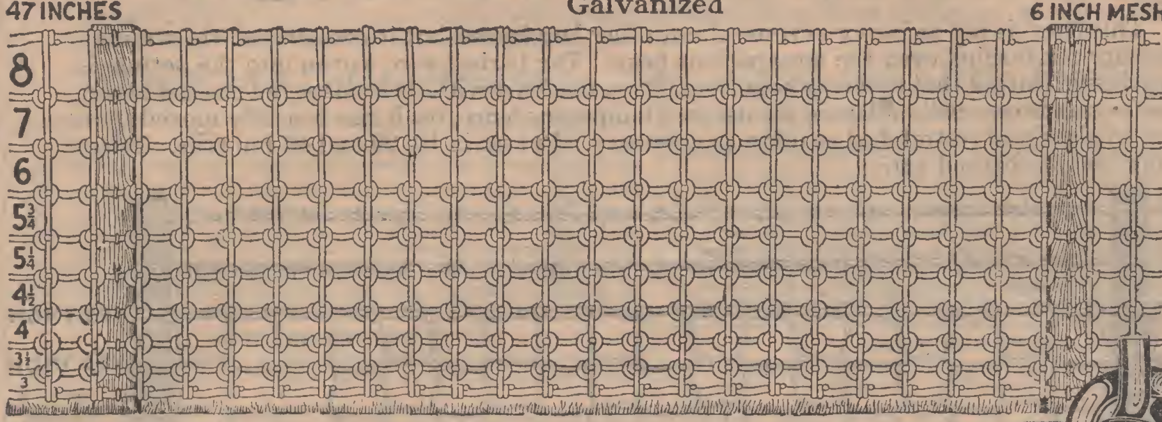
7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 11 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5½ inches at the top. Approximate weight of 100 rods, 850 pounds. Shipped from factory near Chicago.

2-G-119½. 26-inch "HARRIS" square mesh fence. Price, per rod..... **40c**

2-G-109½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 680 pounds. Per rod..... **31c**

Heavy Farm Fences—All No. 9½ Wire!

Galvanized



The Knot

Securely wrapped about the line and stay wires; prevents slipping; not too close to avoid air circulation. Permits any moisture to dry quickly. Fence adjusts itself over uneven ground and provides for expansion and contraction.

For Strength and Long Lasting Service!

The designers of Perfection Farm Fences have carefully regarded every detail of construction to produce a fence that will endure under the most severe conditions. The open hearth steel wire is all extra heavy No. 9½ with a thick coating of galvanizing insuring strength and long life. An ingenious knot properly designed and tied to allow for uneven ground and climatic changes holds the line and stay wires firmly in place. Four heights to choose from covering every farm fence requirement. Perfection fencing put up in 10 and 20 rod rolls.

Size of Wire

Margin wires, line wires and stay wires are all made of heavily galvanized open hearth No. 9 steel wire (actual size above).

Perfection 47-inch High Giant Farm Fence!

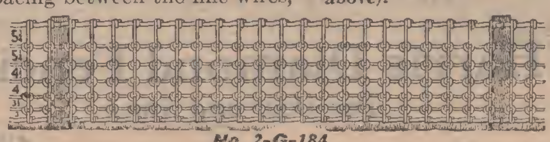
2-G-183. Made to meet the demand for a high fence for pastures to turn hogs and cattle. A strong, serviceable, safe fence.

CONSTRUCTION: The top, bottom, line and stay wires are all No. 9½ gauge, all high quality Open Hearth steel, heavily galvanized, stays spaced 6 inches apart (32 to the rod). The high carbon steel wires with the tension curves, keep the Fence tight at all times. Spacing between the line wires, 3, 3½, 4, 4½, 5¼, 5¾, 6, 7 and 8 inches. Weight per 100 rods, 1890 lbs. Per rod.................................... **80c**

Perfection 26-inch High Farm Fence

2-G-184. Perfection low Fencing heavily and strongly made to turn hogs, sheep and small animals. By adding two or three strands of barbed wire above this Perfection Fence, the increased height gained presents a general purpose farm fence.

CONSTRUCTION: The top, bottom, line and stay wires, all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence tight under all conditions. Spacing between line wires, 3, 3½, 4, 4½, 5¼ and 5¾ inches. Weight per 100 rods, 1200 lbs.



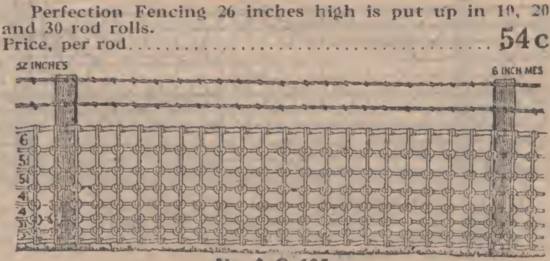
No. 2-G-184

Perfection Fencing 26 inches high is put up in 10, 20 and 30 rod rolls. Price, per rod.................................. 54c

Perfection 32-inch High Farm Fence

2-G-185. Medium high Farm Fencing, embodying all features of "Perfection" Fence, strength and durability. A splendid fence for hogs and small cattle enclosures. By adding two strands of barbed wire at top, it is converted into a general farm fence of sufficient height to turn larger cattle.

CONSTRUCTION: The top, bottom, line and stay wires, all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence in perfect shape at all times. Spacing between line wires, 3, 3½, 4, 4½, 5¼, 5¾ and 6 inches. Weight per 100 rods, 1420 lbs.



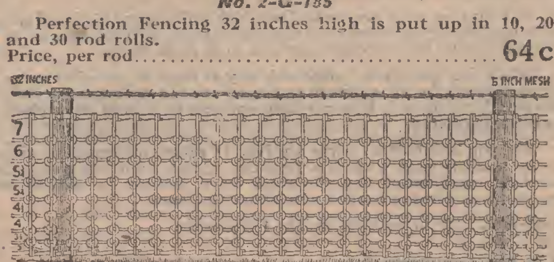
No. 2-G-185

Perfection Fencing 32 inches high is put up in 10, 20 and 30 rod rolls. Price, per rod.................................. 64c

Perfection 39-inch High Farm Fence

2-G-186. Perfection High Fencing, identically the same as our Giant Perfection Fence at top of page, except that it is made 8 inches lower. Extra height can be gained and a feature of protection and safety added by using one strand of barbed wire at top. Suitable for all farm enclosures to turn large and small animals.

CONSTRUCTION: The top, bottom, line and stay wires are all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves hold this fence tight at all times. Spacing between wires, 3, 3½, 4, 4½, 5¼, 5¾, 6 and 7 inches. Weight per 100 rods, 1680 lbs.

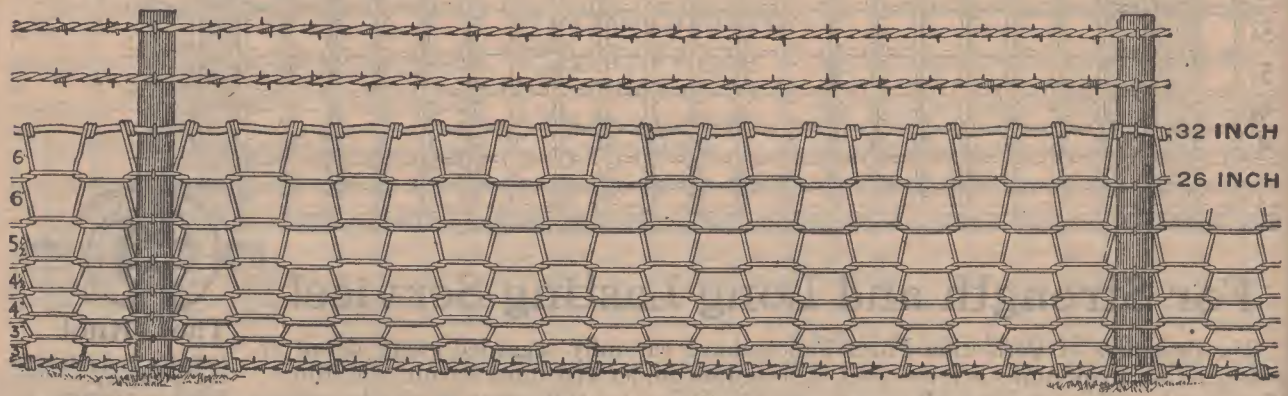


No. 2-G-136

Perfection Fencing 39 inches high is put up in 10, 20 and 30 rod rolls. Price, per rod.................................. 66c

Perfection and Victor Hog Fence

This fence is not as heavy as some of our other hog fences, but it possesses all the strength necessary for turning even the most vicious hogs. The barbed wire woven into the bottom is an exclusive feature that prevents hogs from lifting the fence with their noses and passing under. This fencing is especially adapted for use as a temporary fence, for it can be easily moved from place to place and restretched as often as necessary. Put up in 10, 20 and 40-rod rolls. Prices do not include barbed wire.



26-Inch Victor Hog Fence

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 11 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 14 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 425 pounds. Shipped from factory near Chicago.

2-G-122. 26-inch **Victor Hog Fence.** Price, per rod..... **24c**

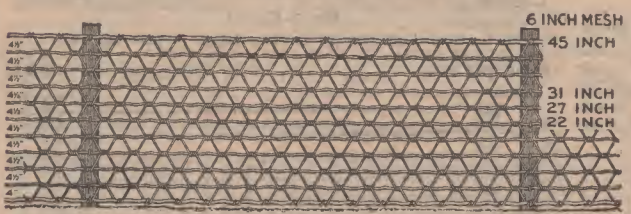
NOTICE—By using two or three strands of barbed wire above Victor Hog Fence an excellent general purpose farm fence can be made at a very low cost. Barbed wire not included at this price.

32-Inch Victor Hog Fence

2-G-123. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 500 pounds. Price, per rod..... **30c**

Harris Diamond Fencing

For Hogs and Stock



This fence is thoroughly practical and gives the very best of satisfaction and service. The diamond shaped meshes hold the running wires in place and prevent slipping and spreading. In fact, every wire in the fence is a brace and support to all other wires.

The running wires are drawn from high carbon hard steel and are provided with tension curves which contract and expand with the changes of temperature and keep the fence straight and tight at all times.

While this fence is not quite so heavy as some of our other styles, yet it is strong enough for all ordinary requirements and makes an excellent general purpose farm fence. It is portable and can be moved from place to place as often as desired.

The top and bottom wires are **No. 11** gauge, intermediate wires **No. 14** gauge, and the mesh wires **No. 16** gauge. Meshes 6 inches apart. This is an excellent combination hog and stock fence, and can be used by stretching two or three wires of barbed wire above the fence.

2-G-302. 27 inches high, weight 4½ pounds. Per Rod..... **31c**

2-G-303. 31 inches high, weight 5 pounds. Per Rod..... **37c**

2-G-300. 45 inches high, weight 6½ pounds. Per Rod..... **48c**

26-Inch Perfection Hog Fence

(Extra Heavy)

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 10 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 13 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 525 pounds. Shipped from factory near Chicago.

2-G-112. 26-inch **Perfection Hog Fence.** Price, per rod..... **29c**

NOTICE—By using two or three strands of barbed wire above Perfection Hog Fence an excellent general purpose farm fence can be made and the cost is very low.

32-Inch Perfection Hog Fence

(Extra Heavy)

2-G-121. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 600 pounds. Price, per rod..... **35c**

Superior Poultry Fencing

Poultry Fence. Suitable for enclosing poultry lots, gardens and young orchards. Neither the line nor stay wires can be slipped, and it is woven sufficiently close to turn all kinds of poultry and small animals. A practical and satisfactory combination poultry and stock fence. All wires are of high carbon steel, heavily galvanized.

Our thirty-day trial fully protects you. You may erect the fence, and if it is not satisfactory within 30 days, take it down, return it to us, and we will pay freight on same and refund your money in full.

Put up in 10, 15, 20 rod rolls.

2-G-16. 48 inches high (20 wires), stays 4½ inches apart, **No. 14** gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 400 pounds per 100 rods. Per Rod..... **40c**

2-G-14. 48 inches high (17 wires), stays 6 inches apart, 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 825 pounds, per 100 rods. Per Rod..... **48c**

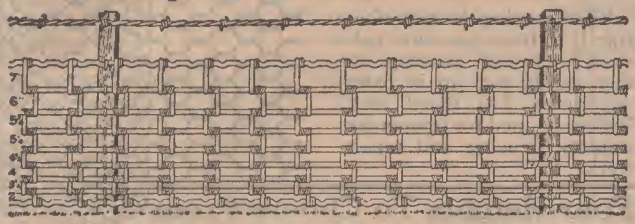
2-G-17. 60 inches high (23 wires), stays 4½ inches apart, **No. 14** gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 450 pounds, per 100 rods. Per Rod..... **44c**

2-G-15. 60 inches high (19 wires), stays 6 inches apart, **No. 10** gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 925 pounds, per 100 rods. Per Rod..... **55c**

Perfection Special Farm and Lawn Fencing

A page of carefully chosen fencing. The various designs cover a splendid selection for cattle, sheep, pigs, poultry and for lawn or estate enclosures. All are highly recommended and your decisions can be safely and quickly made according to the price you wish to pay.

Sheep and Cattle Fencing



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wire. Stays spaced 12 inches apart. All open hearth steel heavily galvanized.

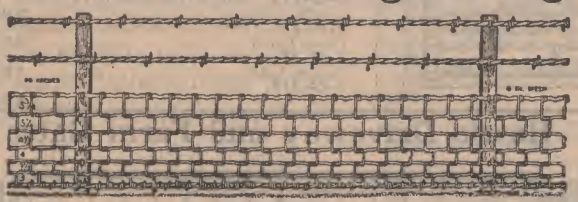
2-G-148.	26 in. high, 12 in. Stay.	Wt., 100 rods, 350 lbs., per rod..	**22c**
2-G-147.	32 in. high, 12 in. Stay.	Wt., 100 rods, 400 lbs., per rod..	**26c**
2-G-146.	39 in. high, 12 in. Stay.	Wt., 100 rods, 450 lbs., per rod..	**29c**
2-G-145.	47 in. high, 12 in. Stay.	Wt., 100 rods, 500 lbs., per rod..	**33c**

HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-G-131 and 2-G-132 have a No. 9 top, No. 10 bottom margin; Styles 2-G-133 and 2-G-134 a No. 10 top and bottom margin. All have No. 12 Line, No. 12½ Stay. Stays spaced 12 inches apart. All open hearth steel, heavily galvanized.

2-G-134.	26 in. high,12 in. Stay.	Wt., 100 rods, 560 lbs., per rod..	**32c**
2-G-133.	32 in. high,12 in. Stay.	Wt., 100 rods, 610 lbs., per rod..	**35c**
2-G-132.	39 in. high,12 in. Stay.	Wt., 100 rods, 700 lbs., per rod..	**40c**
2-G-131.	47 in. high,12 in. Stay.	Wt., 100 rods, 800 lbs., per rod..	**44c**

Barbed Bottom Hog Fencing



CONSTRUCTION: No. 11 Top Margin, Hog Barbed Wire Bottom Margin, No. 14 Line and Stay. All open hearth steel, heavily galvanized. For a hog fence at a reasonable price, buy several rolls.

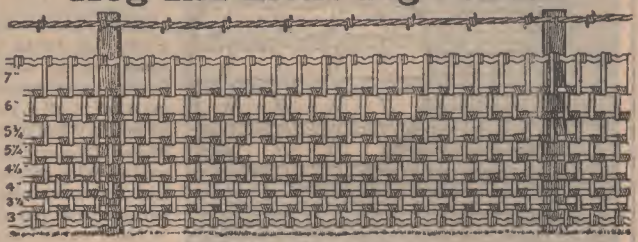
2-G-180.	26 in. high, 6 in. Stay.	Wt., 100 rods, 450 lbs., per rod..	**28c**
2-G-181.	32 in. high, 6 in. Stay.	Wt., 100 rods, 525 lbs., per rod..	**32c**
2-G-182.	26 in. high, 12 in. Stay.	Wt., 100 rods, 350 lbs., per rod..	**24c**

HEAVY WEIGHT BARBED WIRE BOTTOM FENCES

CONSTRUCTION: No. 10 Top Margin, Hog Barbed Wire Bottom Margin, No. 13 Line and Stay.

2-G-190.	26 in. high, 6 in. Stay.	Wt., 100 rods, 565 lbs., per rod...	**44c**
2-G-191.	32 in. high, 6 in. Stay.	Wt., 100 rods, 660 lbs., per rod...	**40c**

Hog and Little Pig Fences



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wires. Stays spaced 6 inches apart. All open hearth steel, heavily galvanized.

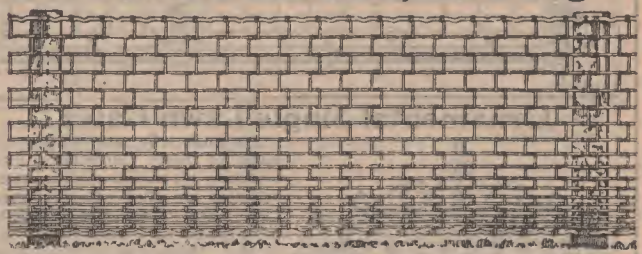
2-G-143.	26 in. high, 6 in. Stay.	Wt., 100 rods, 450 lbs., per rod...	**28c**
2-G-142.	32 in. high, 6 in. Stay.	Wt., 100 rods, 525 lbs., per rod...	**33c**
2-G-141.	39 in. high, 6 in. Stay.	Wt., 100 rods, 575 lbs., per rod...	**37c**
2-G-140.	47 in. high, 6 in. Stay.	Wt., 100 rods, 650 lbs., per rod...	**40c**

HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-G-125 and 2-G-126 have a No. 9 Top and No. 10 Bottom Margin. Styles 2-G-127 and 2-G-128 a No. 10 Top and Bottom Margin. All have a No. 12 Line and No. 12½ Stay Wire. Stays spaced 6 inches apart. All open hearth and heavily galvanized.

2-G-128.	26 in. high, 6 in. Stay.	Wt., 100 rods, 675 lbs., per rod..	**39c**
2-G-127.	32 in. high, 6 in. Stay.	Wt., 100 rods, 785 lbs., per rod..	**44c**
2-G-126.	39 in. high, 6 in. Stay.	Wt., 100 rods, 900 lbs., per rod..	**49c**
2-G-125.	47 in. high, 6 in. Stay.	Wt., 100 rods, 1020 lbs., per rod..	**54c**

Perfection Poultry Fencing



An excellent Poultry Fence, carefully designed to meet every need of the perfectly enclosed poultry yard holding small and large chickens.

CONSTRUCTION: No. 11 Top and No. 12 Bottom Margin, No. 14 Line and Stay. Stays spaced 6 inches apart. All open hearth steel, heavily galvanized.

2-G-138.	36 in. high, 6 in. Stay.	Wt., 100 rods, 735 lbs., per rod...	**47c**
2-G-137.	50 in. high, 6 in. Stay.	Wt., 100 rods, 885 lbs., per rod...	**55c**
2-G-136.	60 in. high, 6 in. Stay.	Wt., 100 rods, 985 lbs., per rod...	**60c**

Perfection Lawn Fence

One of our leading and best selling styles. It makes a handsome yard and lawn fence and is admirably adapted for cemeteries and gardens. It turns everything—from all kinds of stock to chickens. It is very easily erected and it looks very well. This is a fence that is sure to please you. The construction is of the link chain type. Absolutely non-climbable. Furnished in any length rolls.

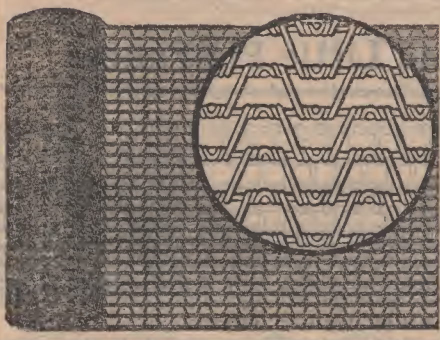
Special Low Prices

2-G-210.	36 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 165 pounds.	Price, per foot.....**15c**
2-G-211.	42 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 185 pounds.	Price, per foot.....**16c**
2-G-212.	48 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 205 pounds.	Price, per foot.....**17c**
2-G-213.	36 inches high, No. 10 gauge, 2-inch mesh; weight per 100 feet, 215 pounds.	Price, per foot.....**18c**
2-G-214.	48 inches high, No. 10 gauge, 2-inch mesh; weight per 100 feet, 270 pounds.	Price, per foot.....**22c**
2-G-215.	36 inches high, No. 10 gauge, 1½-inch mesh; weight per 100 feet, 260 pounds.	Price, per foot.....**23c**
2-G-216.	48 inches high, No. 10 gauge, 1½-inch mesh; weight per 100 feet, 310 pounds.	Price, per foot.....**24c**

U. S. Galvanized Poultry Fence

$5.40 Per Bale

of 100 Lin. feet, 72 In. High



This Special Price Holds Good Only While Our Stock Lasts.

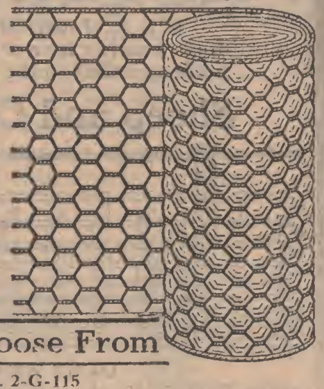
This well known U. S. Poultry Fence is considered by many poultry men the most practical of all types of poultry fencing. Made of 19-gauge Galvanized Wire, galvanized before weaving, hexagon mesh, put up in bales containing 150 lineal feet.

No. 2-EG-95. Price, per bale... **$5.40**

Galvanized Poultry Netting

$2.25 Per Bale

of 150 Lin. Feet

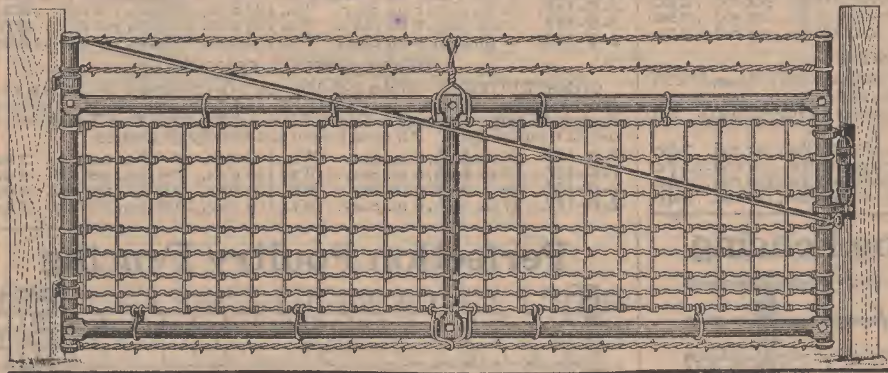


This netting is manufactured of 19-gauge wire, galvanized before weaving, 2-inch mesh, put up in bales containing 150 lineal feet. Recommended for temporary Poultry Fencing and repair work.

Four Heights To Choose From

Order by No. 2-G-115

24 in. wide, bale of 150 lineal feet. Sale Price....................**$2.25**
30 in. wide, bale of 150 lineal feet. Sale Price.................... **2.70**
36 in. wide, bale of 150 lineal feet. Sale Price.................... **2.95**
48 in. wide, bale of 150 lineal feet. Sale Price.................... **4.15**

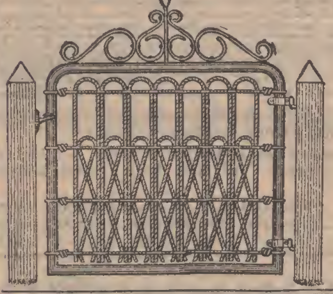


Adjustable Painted Gate

Height, 4½ feet; frame work, 2-inch O. D. reclaimed boiler tubes; fencing, all 9-inch galvanized, three strands barb wire; stay or adjustment wire 9-gauge galvanized; hinges, heavy eyebolt, 12-inch shanks, threaded 9 inches; latch, either chain or double, paint, two coats high-grade, grey enamel iron paint, brushed on; adjustable to any angle. Furnished with eyebolt hinges.

2-G-217. Size, 54 inches high, 10 ft. wide. With Double Latch..............................**$7.70**
2-G-227. Size, 54 inches high, 10 ft. wide. With Chain Latch..............................**$7.15**
2-G-218. Size, 54 inches high, 12 ft. wide. With Double Latch..............................**$8.50**
2-G-228. Size, 54 inches high, 12 ft. wide. With Chain Latch..............................**$8.00**
2-G-219. Size, 54 inches high, 14 ft. wide. With Double Latch..............................**$9.10**
2-G-229. Size, 54 inches high, 14 ft. wide. With Chain Latch..............................**$8.45**
2-G-221. Size, 54 inches high, 16 ft. wide. With Double Latch..............................**$9.90**
2-G-230. Size, 54 inches high, 16 ft. wide. With Chain Latch..............................**$9.35**

Ornamental Single Lawn Gates



The single lawn gates we offer are made of heavy Merchant's pipe measuring 1⅛ inches outside diameter and they are filled with Perfection Lawn Fence. These gates are strictly poultry-proof and very strong and durable. Each gate is fitted with good heavy hinges and an automatic latch. The frame is nicely painted with metallic paint to prevent rust. When these gates are ordered with Perfection Lawn Fence they should be specified three inches higher than the fence and gate and the fence and gate will then match.

Set posts, 3½ inches further apart than width of gate ordered.

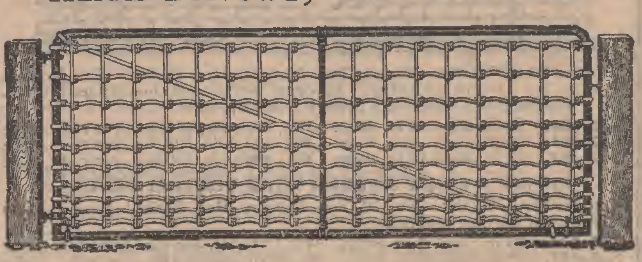
Number	Width Feet	Height Inches	Ornamental
2-G-405A	3	27 or 33	**$3.30**
2-G-406A	3	39 or 45	**3.40**
2-G-407A	3	51 or 54	**3.50**
2-G-408A	3½	27 or 33	**3.70**
2-G-409A	3½	39 or 45	**3.75**
2-G-410A	3½	51 or 54	**3.90**

Ornamental Double Drive Gates

One side of the double gates is fitted with an automatic catch at the bottom so that it is possible to use just one-half of the gate as a single gate when so desired. Each of the two gates composing the double gate is braced diagonally with a heavy galvanized wire and the 12-foot wide double gate is braced in the center of each gate with a ⅞-inch upright pipe, making them very rigid and strong.

Number	Width Feet	Height Inches	Ornamental	Plain
2-G-416A	10	27	**$ 8.30**	**$ 8.05**
2-G-417A	10	33	**8.30**	**8.05**
2-G-418A	10	39	**8.75**	**8.50**
2-G-419A	10	45	**8.75**	**8.50**
2-G-420A	10	51	**9.20**	**8.95**
2-G-421A	12	27	**9.40**	**9.15**
2-G-422A	12	33	**9.40**	**9.15**
2-G-423A	12	39	**9.85**	**9.60**
2-G-424A	12	45	**9.85**	**9.60**
2-G-425A	12	51	**10.50**	**10.25**

Harris Driveway and Farm Gates



This gate is made of 1⅜-inch outside diameter steel tubing, the upright brace in center is made of ⅞-inch tubing in 10 and 12 foot lengths, and two upright braces in 14 foot lengths.

We also place a No. 8 Galvanized Wire diagonally across the frame to strengthen it. Complete, with hinges, latches and all necessary fittings to hang on wood posts. Hinges are adjustable and can be placed at any point on the gate, so that you can adjust them up or down. Frame is covered with our Harris Square Mesh Fence.

Number	Width feet	Height inches	Price, each
2-G-200	10	54	**$ 6.75**
2-G-201	12	54	**8.50**
2-G-202	14	54	**9.00**
2-G-203	16	54	**10.25**

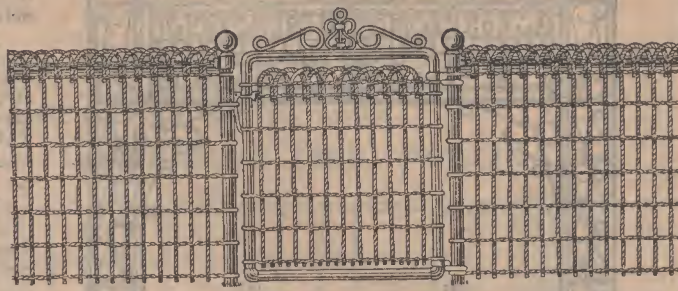
Extra-Strong Farm Gates

Our Atlas Farm Gate is one of the strongest gates on the market. The frame is made of best quality wrought iron pipe, 1⅝ inches outside diameter, and the two upright braces are 1⅛ inches. The frame is braced diagonally with a ⅜-inch steel rod, which prevents sagging. The No. 9 galvanized wire is closely woven to turn pigs and chickens. The frame and braces are painted black; fitted with a strong set of hinges and an automatic latch. Prices are F. O. B. factory in Central Indiana.

No.	Width	Height	Weight	Price
2-G-213	10 feet	54 inches	105 pounds	**$ 8.80**
2-G-214	12 feet	54 inches	120 pounds	**10.50**
2-G-215	14 feet	54 inches	135 pounds	**11.00**
2-G-216	16 feet	54 inches	150 pounds	**11.90**

Harris Woven Wire Lawn Fencing

Made of Heavy Galvanized Wire



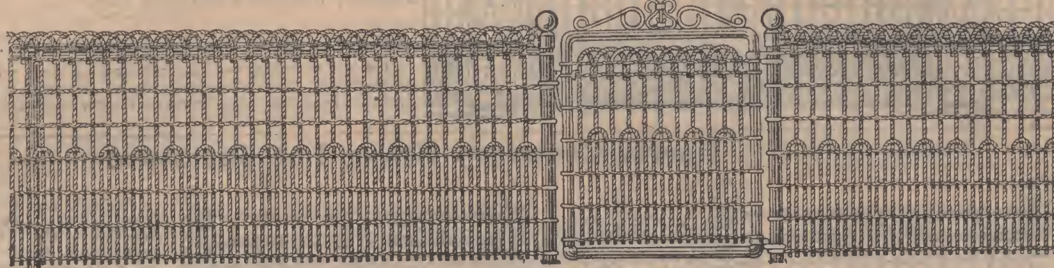
Harris Woven Wire Fencing is made of the best grade of galvanized wire. The design is plain and substantial, as shown in the cut above. This is a fence that will be suitable in any surroundings, harmonizing well on any lawn. Can be used with either steel or wood posts.

Uprights are made of No. 9 heavy galvanized wire, crimped the entire length. Cabled line wires are of heavy galvanized wire, with stays between the uprights $2\frac{7}{8}$ inches. Cables are spaced 6 inches apart, except the top wire, which is spaced $2\frac{3}{8}$ inches. We can furnish same to you in the following sizes:

2-G-428.	24 inches high.	Per lin. ft.	**7c**
2-G-429.	30 inches high.	Per lin. ft.	**8c**
2-G-430.	36 inches high.	Per lin. ft.	**9c**
2-G-431.	42 inches high.	Per lin. ft.	**10c**
2-G-432.	48 inches high.	Per lin. ft.	**11c**

The above fencing can be furnished in any continuous length up to 300 feet. We can furnish gates for the above, same as listed under style B-100.

Harris Ornamental Lawn Fencing

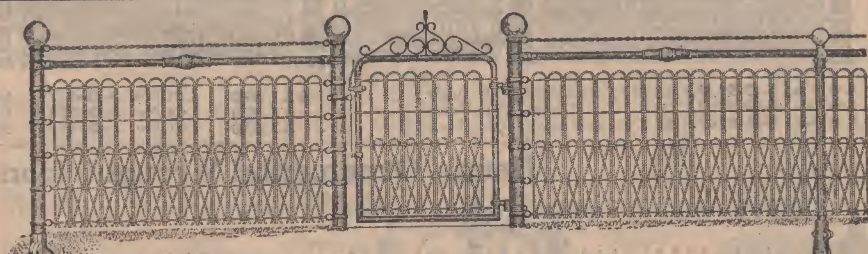


This style, B-600, differs from our 429 in that we weave in an additional picket at the bottom, adding to the beauty of the design and also giving additional strength to the fence. It will stand use and abuse and the wear of time to the limit of reasonable expectation. The space at the bottom closes to $1\frac{3}{8}$ inches.

Uprights, No. 9 galvanized wire, crimped the entire length; cables, No. $12\frac{1}{2}$, heavily galvanized with space between the uprights at the bottom of $1\frac{3}{8}$ inches; at the top, $2\frac{7}{8}$ inches. The cables are spaced 6 inches apart, except the top space of $2\frac{3}{8}$ inches.

Height of fabric, inches	24	30	36	42	48	54	60
2-G-404. Price, per lineal foot	**10c**	**11c**	**12c**	**14c**	**17c**	**20c**	**23c**

Harris Boulevard Complete Lawn Fence



We use our "Harris" Boulevard Lawn Fence for the filler in this beautiful Fence. The railing and posts are made of heavy Tubular Steel. The end, corner and gate posts measure $1\frac{3}{4}$ inches in diameter. The Posts are fitted with beautiful cast iron bases at the bottom and are mounted on the top with beautiful white enameled ball-shaped ornaments. All fittings are highest grade malleable iron. Handsome 4-ply Braided wire is stretched above the top railing, adding a neat and artistic finish to the Fence. Average weight of Fence, $8\frac{3}{4}$ pounds to the foot.

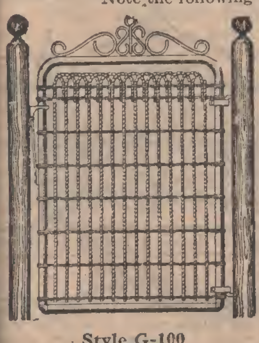
Lot No. ***2-G-8001.***	30 in. Fence, 24 in. fabric.	Per ft.	**55c**
Lot No. ***2-G-8002.***	36 in. Fence, 30 in. fabric.	Per ft.	**60c**
Lot No. ***2-G-8003.***	42 in. Fence, 36 in. fabric.	Per ft.	**63c**
Lot No. ***2-G-8004.***	48 in. Fence, 42 in. fabric.	Per ft.	**67c**
Lot No. ***2-G-8005.***	54 in. Fence, 48 in. fabric.	Per ft.	**70c**

Gates not included in Fence. See pages in this Catalogue for prices.

Ornamental Lawn Gates

The frame is made of $1\frac{1}{8}$ inch, full weight, stiff, high carbon steel tubing, nicely painted. The gate is filled with our "Harris" Ornamental Lawn Fence fabric. All gates furnished complete with heavy malleable iron hinges for wood and a strong automatic latch of improved pattern. These gates can be used for any purpose where a walk gate is required. In ordering gates, be particular to state kind of fittings desired—whether for wooden or steel posts. All gates are made to fit openings. By openings we mean total distance between posts. In ordering ornamental gates, specify dimensions in the following rotation: Height of gate, width of opening. Note the following prices:

If wanted for iron posts, give diameter of posts and add $1.50 to prices of gates.



Style G-100

Single Gates—Up to and including 48 inches high

2-G-405.	3 ft. opening	**$3.00**
2-G-406.	3½ ft. opening	**3.55**
2-G-407.	4 ft. opening	**3.75**
2-G-409.	5 ft. opening	**4.75**
2-G-411.	6 ft. opening	**$5.35**
2-G-412.	7 ft. opening	**5.90**
2-G-413.	8 ft. opening	**6.75**
2-G-414.	10 ft. opening	**8.00**
2-G-415.	12 ft. opening	**9.25**

Double Gates—Up to and including 48 inches high

2-G-416.	8 ft. opening	**$ 7.75**
2-G-417.	10 ft. opening	**9.25**
2-G-418.	12 ft. opening	**10.25**
2-G-419.	14 ft. opening	**$11.25**
2-G-420.	16 ft. opening	**13.00**

Above ornamental lawn fence weighs from 2 to 5 lbs. per lineal foot, depending upon height and style of fence. Gates, size 3x3 ft., weigh about 20 lbs. each. Gates with 10 to 12 foot openings weigh from 60 to 100 lbs., depending upon height and style.

Style G-600

Harris Twin Post Cemetery Arch

Nothing can be more appropriate for a roadway into Cemetery than one of our beautiful Arches with the nam of the Cemetery in beautiful White Enameled letters print across the top.

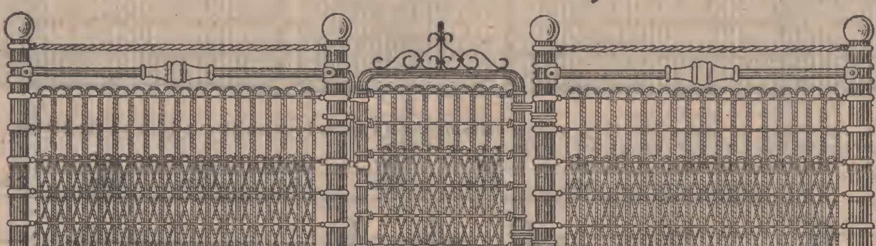
The "Harris" Twin Post Cemetery Arch is made up wit two upright posts on each side, measuring 1¾ inches in diam eter. These posts are placed 12 inches apart. The spac between, divided into vertical sections by short pieces of pip which act as braces to the posts. These vertical sections ar filled with neat and attractive scroll work.

The "Top" of the "Harris" Arch is mounted with a beau tiful scroll pattern and is filled with one of our most beautif designs of Ornamental Wire Fabric. We also place in th corners beneath the top an elegant pattern of scroll work Each post is fitted with a heavy cast iron base and neat whit enameled Ornament on the top. We put the name of your Cemetery on the top of the Arch in beautiful White Enamele Letters, without additional cost.

2-G-9501. Harris Twin Post Cemetery Arch................ **$72.00**

For $24.00 additional, we will send an Arch with upright posts 2½ inch in diameter. The price quoted is for driveway 8, 10 and 12 ft., but does n include the gates. For prices on Gates, see pages in this Catalogue.

Harris Cemetery Grave Lot Enclosure

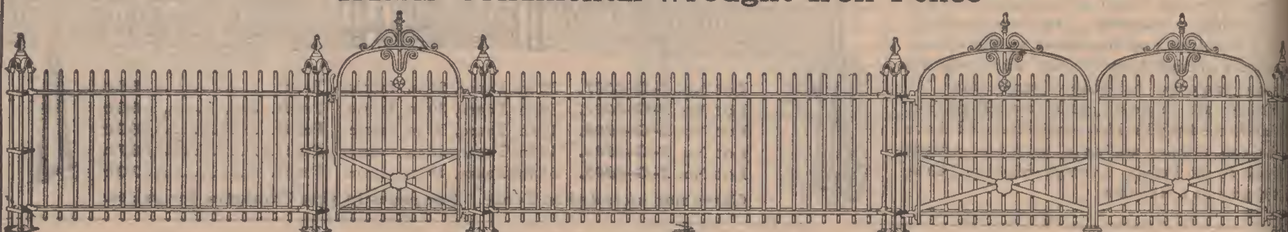


Beautify and protect your Burial Lot wit Ideal Grave Lot Enclosure; regardless o whether or not the Cemetery is fenced. Adds wonderfully to the appearance of your buri lot and general surroundings.

We use the same posts, railing, fabrics an fittings as described in our "Harris Premier" Ornamental Fence. This Fence is made in on height only, 36-inch, filled with a 30-inch fabri making a very practical enclosure. The highes grade of galvanizing is used in the manufactur of this Fence—will outwear many of the higher priced fences. Prices below include one wal gate, 3 ft. wide.

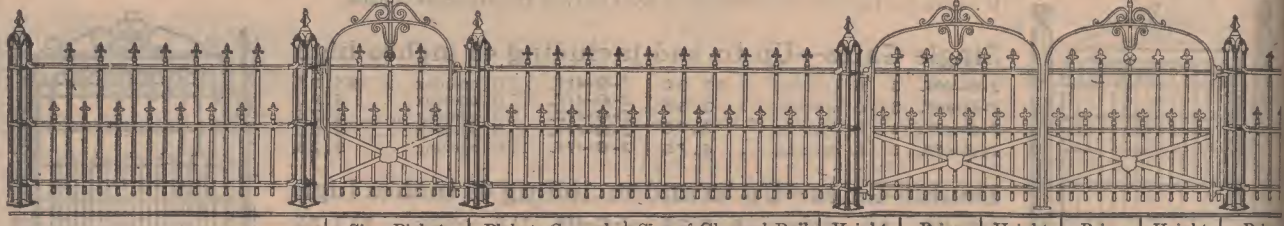
Lot No. ***2-G-9121.*** 8x10 ft. enclosure, 36 in. high............ **$21.60**
Lot No. ***2-G-9141.*** 8x15 ft. enclosure, 36 in. high............ **27.60**
Lot No. ***2-G-9161.*** 8x20 ft. enclosure, 36 in. high............ **33.60**
Lot No. ***2-G-9171.*** 10x12 ft. enclosure, 36 in. high............ **$26.40**
Lot No. ***2-G-9181.*** 10x15 ft. enclosure, 36 in. high............ **30.00**
Lot No. ***2-G-9191.*** 20x20 ft. enclosure, 36 in. high............ **48.00**

Harris Ornamental Wrought Iron Fence



	Picket	Spaced Apart	Size of Chan. Rail	Height	Price	Height	Price	Height	Price	Height	Price	Height	Price
2-G-1062....	⅜ in.	4 in.	1¼x½ in.	37 in.	....	42 in.	....	48 in.	....		....		....
2-G-1066....	½ in.	4 in.	1¼x½ in.	37 in.	....	42 in.	....	48 in.	....		....		....
2-G-1068....	⅝ in.	5 in.	1½x½ in.	37 in.	....	42 in.	....	48 in.	....	54 in.	....	60 in.	....
2-G-1070....	¾ in.	5 in.	1½x½ in.	37 in.	....	42 in.	....	48 in.	....	54 in.	....	60 in.	....

Send diagram of space to be inclosed. Indicate where posts and gates are to be placed. We will figure your exact requirements and quote lowest prices



	Size, Picket	Pickets Spaced	Size of Channel Rail	Height	Price	Height	Price	Height	Price
2-G-1001......................	⅜ in.	4 in.	1¼x½ in.	37 in.	....	42 in.	....	48 in.	....
2-G-1005......................	½ in.	4 in.	1¼x½ in.	37 in.	....	42 in.	....	48 in.	....

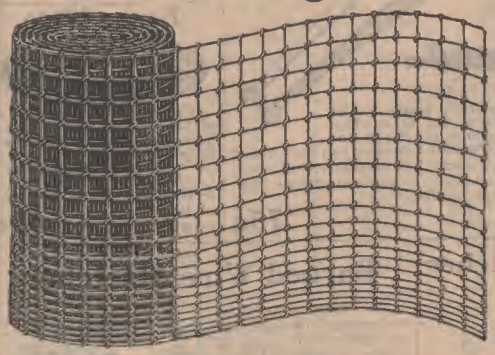
The above prices are for lineal foot, including line posts.
Corner, end and gate posts are extra.
Extra for corner, end and gate posts, 37 ins., 42 ins., 48 ins., 54 ins., 60 ins.,

When figuring cost of Fencing, measure full opening, including gates corner, end and gate posts, then add each for single gates, 3 ft. 2 in. wide each for double gates, 8 ft. 2 in. wide, and extras for posts as shown above.

FENCING SPECIALS!

This field and poultry fencing offered at the low prices shown below represents the accumulation of leading fence factories' stocks of fencing that show minor defects. These defects though slight, prevent us from offering this as first class fencing. They consist in slight discolorations and an occasional manufacturing defect such as a loose wire. We guarantee this fencing to be good value for the price quoted.

Galvanized Poultry Fencing



Extra Heavy Weight

Extra heavy weight, close mesh, made of highest quality galvanized wire. 10 gauge top wires. 10 gauge bottom wires. 12½ gauge stay and line wires. Stay wires spaced six inches apart.
2-G-5080. 48 ins. high, 19 cross wires. Price per rod..**50c**
60 ins. high, 22 cross wires. Price per rod.....**60c**

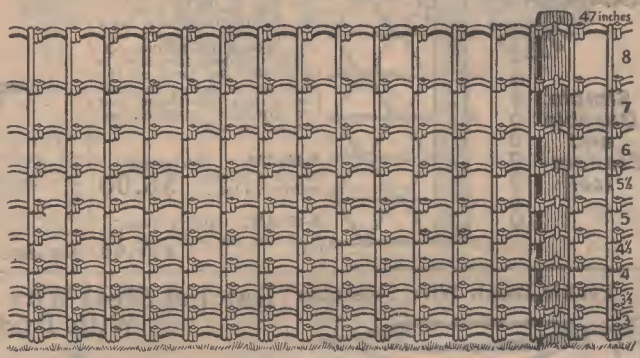
Heavy Weight Fence

Made of highest quality galvanized wire. 11 gauge top wires. 12 gauge bottom wires. 14 gauge stay and line wires. Stay wires spaced six inches apart.
2-G-5100. 36 ins. high, per rod **35c**
48 ins. high, per rod.....**40c**
60 ins. high, per rod.....**48c**

Standard Weight Poultry Fence

Made of highest quality galvanized barbed wire. Top and bottom wires 12½ gauge. Stay and line wires 15½ gauge. Stay wires spaced 6 ins. apart.
2-G-5111. 72 ins. high, 25 cross wires, price per rod. . .**50c**

Galvanized Field Fencing



All 9 Gauge Fence

No. 2-G-5040. Stay Wires 6 in. Apart				No. 2-G-5045. 12 in. Apart	
Height Inches	Number of Line Wires	Weight of 100 Rods	Price Per Rod	Weight of 100 Rods	Price Per Rod
26	7	1283	42c	976	32c
32	8	1503	50c	1135	35c
39	9	1739	60c	1300	43c
47	10	1990	68c	1474	48c
56	11	2257	75c	1655	53c

9 and 11 Gauge Fence

No. 2-G-5050. Stay Wires Spaced 6 in. Apart				No. 2-G-5055. 12 in. Apart	
Height Inches	Number of Line Wires	Weight of 100 Rods	Price Per Rod	Weight of 100 Rods	Price Per Rod
26	7	883	35c	695	24c
32	8	1023	41c	797	28c
39	9	1174	44c	904	33c
47	10	1335	51c	1016	35c
56	11	1506	58c	1133	43c

Galvanized Barbed Wire

In Reels Containing 80 Rods

$2.65

Galvanized Barbed Wire put up 80 rods to the reel, made of 14 gauge heavy Galvanized Open Hearth Steel Wire.

2-G-11. 2 point Galvanized Barbed Wire with barbs 5″ apart, per 80 rod reel.....**$2.65**
2-G-13. 2 point Galvanized Barbed Wire with barbs 3″ apart, per 80 rod reel.....**$2.90**

Gilden Pattern—Heavy Weight Galvanized Barbed Wire

Made of 12 gauge Open Hearth Steel heavy Galvanized Wire, put up on reels containing 80 rods. Can be supplied in either Hog or Cattle Wire, with 2 or 4 point barbs.
2-G-30. 2 point Galvanized Barbed Wire with barbs spaced 5″ apart, per reel.....**$3.75**
2-G-31. 2 point Galvanized Barbed Wire with barbs 3″ apart, per 80 rod reel.....**$4.00**
2-G-32. 4 point Galvarized Barbed Wire with barbs 5″ apart, per 80 rod reel.....**$4.05**
2-G-33. 4 point Galvanized Barbed Wire with barbs 3″ apart, per reel.....**$4.25**

Fence Posts

Strongest Most Durable Fence Posts on the Market

20c

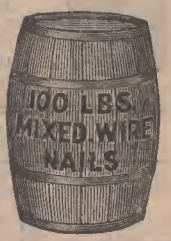
Up Each

2-G-317. Made of heavy steel tubing, 2 in. in diameter, pointed for easy driving. Fitted with adjustable, heavy galvanized wire clamps which encircle the post and securely hold the wire in place. Weight, 2 lbs. per foot of length.

Length	Clamps Furnished	Price Each
4 foot	2	20c
5 foot	2	25c
6 foot	3	30c
7 foot	4	35c
8 foot	5	40c

Mixed Wire Nails

$1.85 Per 100 lb. Keg



A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. Don't forget to include this bargain with your order.
2-G-4055. 100-lb. keg of mixed nails, 3d to 40d.
Price.....**$1.85**

Galvanized Wire

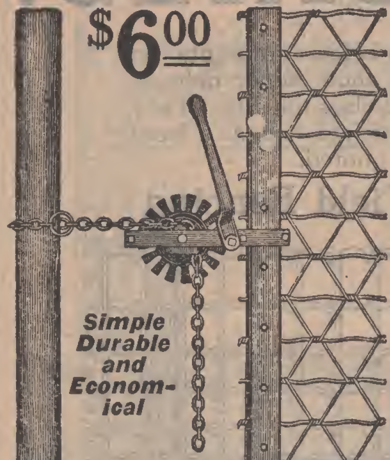
2-G-984. New galvanized wire, put up 100 lbs. in a bundle, consisting of shorts or mill ends accumulated from regular galvanized fencing wire, varies in length from 50 ft. to 200 ft. and is sorted one gauge to the bundle.
8 gauge, per 100 lbs. . **$3.25**
9 gauge, per 100 lbs. . **3.25**
10 gauge, per 100 lbs. . **3.30**
11 gauge, per 100 lbs. . **3.35**
12 gauge, per 100 lbs. . **3.40**
13 gauge, per 100 lbs. . **3.50**
14 gauge, per 100 lbs. . **3.60**

$3.25 Per 100 Pounds

Crimped Wire for Reinforcing

2-G-986. Crimped wire for Reinforcing. Strengthen your concrete work by using crimped wire for reinforcing. We can furnish this material made up of No. 9 gauge wire, crimped, and cut to any length you wish up to 20 feet. Wire is made of open hearth steel, heavily galvanized. Specify length of wire required when ordering. Put up in 100-lb. bundles.
Sale Price 100 lbs.....**$4.25**

Wire Products and Accessories



Perfection Wire Stretcher

Shows the single Fence Stretcher and manner of attaching to posts and fence. The wonderful power, simplicity of action and ease of operation of this stretcher have made it very popular. They lock automatically at every half turn of the lever and never slip. The metal parts are of the highest quality steel and malleable iron and the clamps of selected hard wood. The chain is long enough for a pull of nine feet.

The double stretcher is identically the same as the single one with the exception that it has two chains and two stretchers on the one set of wood clamps.

2-G-210. "Perfection" stretcher, single weight, 75 lbs.. ..**$6.00**

2-G-211. "Perfection" stretcher, double weight, 125 lbs. **$11.90**

Three Tools in One!

75c

Perfection Wire Splicer Staple Puller and Hammer

This is a wire splicer, staple puller, and hammer combined, not to mention all the other uses around the house and barn and one of the handiest tools you can have about farm. It is not only the best, but the only combination tool of its kind. Made of high grade malleable iron, and is very strong and durable.

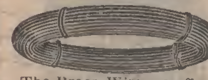
2-G-209. Price, each........................**75c**

Perfection Wire Grip

A very handy tool for tightening loose wire. Can be attached to a bar and strong leverage secured. Fitted with swivel.

2-G-53. Price, each...**33c**

Brace Wire



The Brace Wire we offer is of No. 9 gauge and is drawn from Soft Open Hearth Steel. It twists nicely. In each coil there is about enough wire for three good braces.

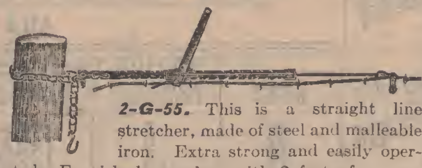
2-G-203. Price per coil of 10 pounds...........**40c**

Tackle Block Wire Stretcher

Fitted with an automatic lock or clasp. Disengaged by a slight movement of the hand rope. Can also be used as a safety hoist, with which any man can lift 500 pounds. Furnished complete with 16½ feet of ⅜-inch pure manila rope.

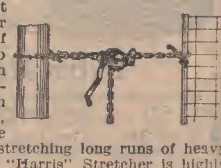
2-G-56. Price, each....................**$1.15**

Ratchet Steel Wire Stretcher With Rod



2-G-55. This is a straight line stretcher, made of steel and malleable iron. Extra strong and easily operated. Furnished complete with 2 feet of steel chain. Price, each................**75c**

Barbed Wire Stretcher



The most convenient and easily operated for stretching short runs of either woven or barb wire fencing. When stretching woven or poultry wire with ½-inch iron pipe 5 foot in length, fasten ends about pipe as shown in cut. For stretching long runs of heavy woven wire fencing the "Harris" Stretcher is highly recommended.

2-G-60. Price.........................**$2.80**

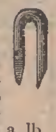
Screen Wire!

2-G-49. Our Galvanized screen wire is made by an entirely new process and is better rust-resistant than the ordinary bright wire, as it possesses remarkable rust-defying qualities. It is not affected by moisture or salt sea air, and if given proper care, will last years and years.

Our Galvanized Screen Wire is put up in rolls of 25, 50 and 100 running or lineal feet, 12 wires to the inch each way.

Width Inches	Wt., per 100 lin. ft.	25 ft. Rolls	50 ft. Rolls	100 ft. Rolls
24	19	$1.65	$3.30	$6.00
26	21	1.80	3.58	6.50
28	23	1.95	3.85	7.00
30	24	2.10	4.13	7.50
32	24	2.20	4.40	8.00
34	32	2.35	4.68	8.50
36	36	2.48	4.95	9.00
42	42	2.90	5.78	10.50
48	48	3.30	6.60	12.00

Staples



Fence staples, made of No. 9 gauge, put up regularly 100 lbs. to the keg. There are 120 1-in. staples to a lb., 100 1¼-in. staples to a lb. Prices as follows in keg lots:

2-G-35. 1-inch long, per 100 lbs...............**$4.75**
1¼-in. long, per 100 lbs. **4.75**

Furnished in smaller quantities as follows:

10 lb. pkg. Each.....**$0.55**
20 lb. pkg. Each..... **1.10**
50 lb. pkg. Each..... **2.50**

Poultry Netting Staples

Made of No. 14 gauge. There are 230 1-in. staples to a lb.

2-G-36. 1 in. long, in keg lots per 100 lbs..............**$7.35**

Furnished in smaller quantities as follows:

5 lb. pkg., each...........**40c**
10 lb. pkg., each.......... **80c**

Window Guards!

2-G-4030. Guard against burglars and protect your windows. Our diamond mesh crimped wire window guards, with round iron rod frame, we quote as follows: These prices apply to guards containing 8 sq. ft. or more. Write for prices on smaller guards.

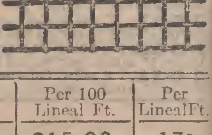
Size Mesh Inches	Gauge of Wire	Diameter Frame Inches	Price Per Sq. Ft.
¾	14	¼	33c
1	14	¼	31c
1	12	5/16	33c
1¼	14	¼	27c
1¼	12	5/16	28c
1½	12	¼	29c
1½	10	5/16	30c
1½	8	⅜	34c
1¾	12	¼	33c
1¾	10	5/16	31c
2	12	¼	27c
2	10	5/16	28c
2	8	⅜	34c
2½	10	5/16	27c
½	8	⅜	34c

Black Screen Wire

2-G-48. Painted Screen Wire, put up in rolls of 50 and 100 running or lineal feet and measures each way 12 wires to the inch.

Width, Inches	Weight, per 100 lineal feet	50 ft. rolls	100 ft. rolls
24	19	$2.70	$5.40
26	21	2.95	5.85
28	23	3.15	6.30
30	24	3.40	6.75
32	32	3.60	7.20
34	34	3.80	7.65
36	36	4.05	8.10
42	42	4.75	9.45
48	48	5.40	10.80

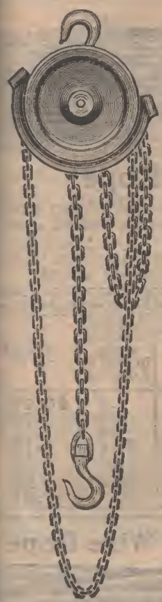
Galvanized Wire Cloth



This cloth is generally known as hardware cloth, used for window guards, cages, fruit evaporators, screens and places where a heavy screen is needed. Furnished in the following sizes:

Number	Width Inches	Gauge	Mesh to Inch	Per 100 Lineal Ft.	Per Lineal Ft.
2-G-50	24	23	4 mesh to 1 in.	$15.00	17c
2-G-51	30	23	4 mesh to 1 in.	18.75	20c
2-G-52	36	23	4 mesh to 1 in.	22.50	24c
2-G-53	24	19	2 mesh to 1 in.	13.50	15c
2-G-54	30	19	2 mesh to 1 in.	16.88	19c
2-G-55	36	19	2 mesh to 1 in.	20.25	22c

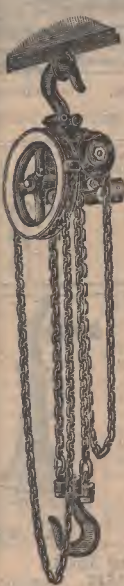
Block and Tackle



TRIBLOC Chain Hoist

2-G-11613. These splendid hoists are of strong compact construction. Designed for all classes of work. Steel working parts and patented loop hand-chain guide which protects the hoist and controls the hand chain at all speeds of travel. Hand chain will not buckle in guide or over-ride flanges of the hand wheel. Fastest lifting hand hoist produced.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
½	60	8	$ 52.00
1	70	8	67.00
1½	80	8	90.00
2	90	9	105.00
3	100	10	135.00
4	110	10	165.00
5	120	12	210.00
6	130	12	247.00
8	140	12	280.00
10	150	12	336.00



Screw Chain Hoist

2-G-11715. These hoists are powerful and compact. They are extensively used for all classes of work. They are much easier to operate than the Differential Hoist, inasmuch as they are geared up. The gearing is enclosed in oil tight housing and the working parts are thus always immersed in oil, insuring smooth action and thorough lubrication.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
½	50	8	$ 37.00
1	60	8	45.00
1½	76	8	60.00
2	125	9	75.00
3	190	10	112.00
4	210	10	142.00

The Fastest Chain Hoist Made

Special Prices on Sizes up to 10 Tons

Weston Differential Chain Hoist

2-G-11783. Tested to full weight before shipment. This is the simplest and cheapest type of chain hoist, and has the fewest parts of any hoist made. The chains are specially made, are finely finished and carefully hardened to prevent wear. This hoist will hold a load at any point. Each hoist is guaranteed fully in every particular.

Cap., Tons	Will Lift feet	Price, comp.
½	7	$15.00
1	8	21.00
1½	8½	27.00
2	9	33.00
3	10	45.00

Four feet of extra Chain required for every foot of extra lift.

Single

Becket

Double

Triple

Wood Shell Tackle Blocks

Manila Rope. These blocks are of the best possible construction. Have special chilled steel pins and iron sheaves with edges properly rounded to prevent the rope from fraying.

We can furnish these blocks either with or without beckets. When used in pairs, one should be plain and the other with becket.

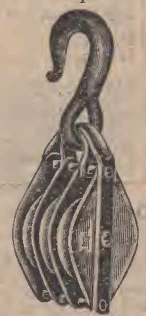
2-G-11701. Without becket. ***2-G-11702.*** With becket.

Diam. Rope, Inches	Length of Shell Inches	Single Pulley	Double Pulley	Triple Pulley
⅜	3	$0.48	$0.90	$ 1.20
½	4	.60	1.08	1.47
⅝	5	.62	1.20	1.50
¾	6	.75	1.35	1.95
⅞	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1⅛	10	1.88	3.00	4.20
1¼	12	3.00	5.05	7.20
1⅜	14	4.73	7.10	10.00
1½	15	5.40	8.75	12.15

Single

Double

Triple



Steel Tackle Blocks

Are made with forged steel hooks, straps, pins and shells. For manila rope.

2-G-11704. Without becket. ***2-G-11705.*** With becket.

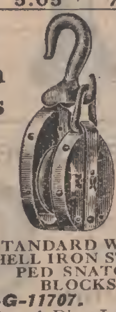
Diam. Rope, Inches	Length of Shell Inches	Single Pulley	Double Pulley	Triple Pulley
⅜	3	$0.48	$0.90	$1.20
½	4	.60	1.08	1.47
⅝	5	.62	1.20	1.50
¾	6	.75	1.35	1.95
⅞	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1⅛	10	1.88	3.00	4.20
1¼	12	3.00	5.05	7.20

Steel Snatch Blocks

STEEL SNATCH BLOCKS

2-G-11709.

Size of Sheave Inches	Diam. Rope Inches	Lgth. Shell Ins.	Price Each
3 x1⅛	¾	6	$4.40
3½x1¼	⅞	7	5.25
4½x1⅜	1	8	6.25
5 x1⅜	1⅛	9	7.50
5¾x1⅞	1¼	10	9.25
6¾x2⅛	1½	12	11.00
8 x2¼	1¾	14	14.50
9 x2⅝	2	16	19.00



STANDARD WOOD SHELL IRON STRAPPED SNATCH BLOCKS

2-G-11707.

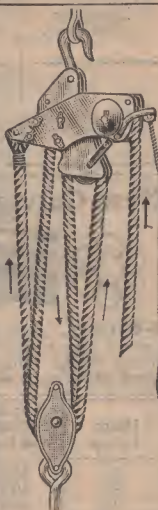
Size of Sheave Inches	Diam. Rope Inches	Lgth. Shell Ins.	Price Each
3 x1⅛	¾	6	$3.00
3½x1¼	⅞	7	3.50
4½x1⅜	1	8	4.35
5 x1⅜	1⅛	9	5.10
5¾x1⅞	1¼	10	6.40
6¾x2⅛	1½	12	7.50
8 x2¼	1¾	14	9.75
9 x2⅝	2	16	12.75

"I" Beam Trolley

A simple and practical "I" Beam Trolley with steel side plates, anti-friction bearings adjustable to three sizes of "I" Beams.

Lot No.	Cap. Tons	Sizes of I-Beam	Wt. Lbs.	Price, Each
2-G-11559	½	5– 6– 7	25	$18.90
2-G-11560	1	6– 7– 8	40	21.60
2-G-11561	1½	7– 8– 9	80	25.65
2-G-11562	2	8– 9–10	120	29.70
2-G-11563	3	9–10–12	135	36.45
2-G-11564	4	10–12–15	140	44.55
2-G-11565	5	12–15–18	310	58.00

Safety Lifts



These Burr Steel Lifts are thoroughly practical and are much less expensive than the chain hoists.

2-G-11717. Size No. 3, for ⅜-inch rope. One man can hoist 300 lbs. Double lower block, weight, 4⅛ lbs. Capacity, 800 lbs. Price........ **$1.70**

2-G-11719. For ½-inch rope. One man can hoist 350 lbs. Double lower block, weight, 6½ lbs. Capacity, 1,500 lbs. Price........... **$3.15**

2-G-11721. For ⅝-inch rope. One man can hoist 400 lbs. Double lower block, weight, 11 lbs. Capacity 2,000 lbs. Price........... **$4.00**

2-G-11723. For ¾-inch rope. One man can hoist 450 lbs. Double lower block, weight, 17 lbs. Capacity, 2,500 lbs. Price............................ **$4.85**

2-G-11725. For ½-inch rope. One man can hoist 600 lbs. Triple lower block, weight 10 lbs. Capacity, 3,000 lbs. Price.... **$5.70**

2-G-11727. For ⅝-inch rope. One man can hoist 700 lbs. Triple lower block, weight 20 lbs. Capacity, 3,500 lbs. Price.... **$6.85**

2-G-11729. For ¾-inch steel rope. One man can hoist 850 lbs. Triple lower block, weight 28 lbs. Capacity, 5,000 lbs. Price.... **$7.95**

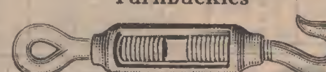
Wire Rope Blocks

2-G-11711. These blocks are specially designed to be used in connection with wire hoisting rope, having large sheaves.

You cannot use the wood and iron shell manila rope tackle blocks in connection with the wire rope owing to the fact that the sheaves are too small to permit the wire rope running freely over them.

Dia. of Shv.	For Rope Ins.	Single Price Each	Double Price Each	Triple Price Each
10	⅝ & less	$10.00	$15.00	$20.00
14	¾	14.00	19.00	26.00
16	⅞	16.00	22.00	30.00

Turnbuckles



These Turnbuckles are considered the best on the market. Are made of wrought iron, painted black. We have them in stock and can furnish promptly.

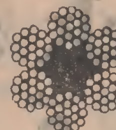
Lot No.	Diam. of Thread	Lgth. of Thread	Price Each Black	Price Each Galv.
2-G-11547	3/16	3½	$0.45	$0.57
2-G-11548	¼	4	.48	.60
2-G-11549	5/16	4¼	.50	.65
2-G-11550	⅜	4½	.72	.90
2-G-11551	7/16	5¼	.85	1.10
2-G-11552	½	6	.95	1.20
2-G-11553	⅝	9	1.40	1.75
2-G-11554	¾	9	1.90	2.40
2-G-11555	⅞	12	3.25	4.05
2-G-11556	1	12	4.00	5.00

Steel Cable—Jacks

Swedish Transmission or Haulage Rope

2-G-11605. Composed of six strands, hemp center, each having 7 wires. This rope is used principally for transmission of power over large sheaves or drums. This rope is not flexible enough to be used over small sheaves or drums. Note minimum diameter of drum or sheave in table below. Subject to quantity on hand.

Diameter Inches	Weight per 100 ft. in lbs.	Approx. break. strain in Tons of 2,000 lbs.	Min. diam. of drum or sheaves in feet	Price per ft.
3/8	22	4.8	2½	**$0.05½**
1/2	39	8.4	3½	**.08**
5/8	62	13.2	4½	**.12**
3/4	89	18.6	6	**.17**
7/8	1.20	24.	7	**.22**
1	1.58	32.	8	**.29**



Standard Wire Hoisting Rope

Made up of six strands, 19 wires to the strand, laid around a hemp center.
SWEDISH IRON ROPE. Is used for hay presses, hoisting and all general purposes.
CRUCIBLE STEEL ROPE. Is much stronger and is used in mines, on derricks and for any kind of hoisting work where a strong rope is required.

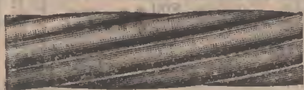
2-G-11601. **Swedish Iron Rope**

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
1/4	0.10	1.10	**$0.06½**
3/8	0.22	2.4	**.07**
1/2	0.39	3.9	**.08**
5/8	0.62	6.	**.12**
3/4	0.89	8.5	**.16**
7/8	1.20	11.8	**.20**
1	1.58	14.5	**.26**
1⅛	2.00	18.6	**.33**

2-G-11603. **Crucible Steel Wire Rope**

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
1/4	0.10	2.2	**$0.09**
3/8	0.22	4.8	**.09½**
1/2	0.39	8.4	**.11**
5/8	0.62	12.5	**.12**
3/4	0.89	17.5	**.18**
7/8	1.20	23.	**.24**
1	1.58	30.	**.30**
1⅛	2.	38.	**.36**

New Galvanized Wire Strand



2-G-11611. This strand is composed of 7 wires, twisted into a single strand. Is used for guys on smoke stacks, telegraph and telephone poles and many other purposes.

Diam. Inches	Approx. Strength in lbs.	Weight per 100 ft. lbs.	Price per 100 ft.
1/4	2300	13	**$1.60**
3/8	5000	30	**3.20**
1/2	8500	52	**5.00**

Used Galvanized Wire Strand

3/8-in., approx. diam. Price, per 100 ft. . . . **$1.50**
1/2-in., approx. diam. Price, per 100 ft. . . . **2.50**

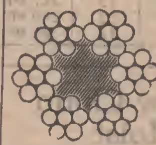
Used Wire Rope for Hoisting

Nineteen Wires to the Strand. Six Strands. Laid Around Hemp Center.

2-G-11525. This rope is particularly adapted for service in mines, for logging on elevators, derricks, hay presses and hoists of all kinds.

Diam. Inches	Weight per ft. in pounds	Price, per ft. selected second hand rope
1/2	0.39	**4c**
5/8	0.62	**6c**
3/4	0.89	**9c**
7/8	1.20	**12c**
1	1.58	**16c**
1⅛	2.45	**20c**

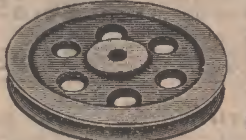
Galvanized Iron Wire Rope



2-G-11613. For derrick guys, etc. Not suitable to run over drums or sheaves.
Composed of 6 strands and hemp center, 7 wires to the strand.

Diam. Inches	Weight per ft.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
3/8	0.20	1.8	**$0.05**
1/2	0.36	3.2	**.07**
5/8	0.64	5.8	**.09**
3/4	0.81	7.3	**.11**
7/8	1.21	11.	**.15**
1	1.44	13.	**.17**

Iron Sheaves for Wire Rope



2-G-8999. These sheaves as priced below are to run loose on the shaft. We cannot furnish them bored for larger sized shaft than specified, nor can they be fitted with set screws or key seated.

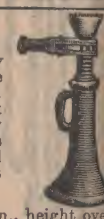
Diam. Sheave Inches	Length Through Hub Inches	Size of Hole for Shaft Inches	For Diam. Wire Rope Inches	Plain Bushed Price Each
5	7/8	5/8	3/8	**$0.70**
6	1	5/8	3/8	**.75**
6	1 1/16	3/4	1/2	**.75**
8	1¼	3/4	1/2	**1.75**
8	1⅞	1	5/8	**1.75**
10	1¼	3/4	1/2	**2.25**
10	1⅝	1	5/8	**2.65**
12	1¼	1	1/2	**3.00**
12	1¾	1	5/8	**3.00**
14	1⅝	1⅛	5/8	**4.25**
14	2	1¼	7/8	**4.75**
14	1⅞	1⅛	3/4	**4.25**

Jack Screws

4-G-11519. The Bell Base of these Jack Screws is made of the toughest gray iron it is possible to obtain. The screws are wrought iron, lathe turned. Every jack is tested and its carrying capacity is fully guaranteed. Levers are not furnished with the Jacks.

Diam. of screw inches	Height of stand inches	Lifting over all inches	Capac. Tons	Price Each
1¼	8	10½	10	**$2.00**
1¼	12	14½	10	**2.50**
1½	8	10¾	12	**2.55**
1½	10	12¾	12	**2.85**
1½	12	14¾	12	**3.45**
1¾	10	13	16	**3.75**
1¾	12	15	16	**4.05**
2	10	13¼	20	**4.50**
2	12	15¼	20	**4.95**
2	14	17¼	20	**5.55**
2	16	19¼	20	**7.20**
2½	14	18	28	**8.75**
2½	18	22	28	**9.45**
2½	20	24	28	**8.80**

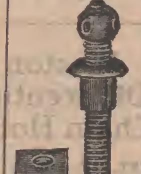
Ratchet Jacks



4-G-11521. Easily operated and can be used in close places. The stand of this Jack is made of tough gray iron and the screw is made of special steel with deep lathe cut thread.

Diameter of Screw, 2 in., height over-all, 23 in., lifting capacity, 25 tons.
Price, each. **$5.95**

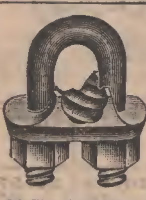
House Raising Jacks



4-G-11523. Cast iron, brand new. These screws are cast with Seamless Threads, which makes them very smooth and uniform.

Diam. Screw inches	Ht., overall inches	Price, Each
3	18	**$3.65**
3	20	**3.90**
3	24	**4.50**
3	30	**5.30**
3	36	**6.15**

Wire Rope Clips



2-G-11503. These clips are used to make a loop of an eye at the end of a rope without splicing.

Black

1/4 Size for rope diam. in.	Price each.	**5c**
3/8 Size for rope diam. in.	Price each.	**6c**
1/2 Size for rope diam. in.	Price each.	**8c**
5/8 Size for rope diam. in.	Price each.	**11c**
3/4 Size for rope diam. in.	Price each.	**16c**
7/8 Size for rope diam. in.	Price each.	**21c**
1 Size for rope diam. in.	Price each.	**24c**
1⅛ Size for rope diam. in.	Price each.	**40c**
1¼ Size for rope diam. in.	Price each.	**43c**
1⅜ Size for rope diam. in.	Price each.	**65c**
1½ Size for rope diam. in.	Price each.	**70c**

Wire Rope Thimbles

Galvanized

No. 2-G-11511.

1/4 Size for rope diam. in.	Price each.	**3c**
3/8 Size for rope diam. in.	Price each.	**5c**
1/2 Size for rope diam. in.	Price each.	**6c**
5/8 Size for rope diam. in.	Price each.	**10c**
3/4 Size for rope diam. in.	Price each.	**12c**
7/8 Size for rope diam. in.	Price each.	**14c**
1 Size for rope diam. in.	Price each.	**17c**
1⅛ Size for rope diam. in.	Price each.	**30c**
1¼ Size for rope diam. in.	Price each.	**33c**
1⅜ Size for rope diam. in.	Price each.	**42c**
1½ Size for rope diam. in.	Price each.	**50c**

Patent Wire Rope

Hooks and Couplings

These hooks are made of malleable iron and can be bent cold. The cheapest and simplest fastening for rope manufactured.

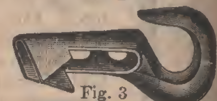


Fig. 3

2-G-11513. Fig. 3, Hook
Size, inches. 3/8 1/2 5/8
Price, each. **30c 35c 45c**

Fig. 5

2-G-11515. Fig. 5, Ring.
Size, inches. 3/8 1/2 5/8
Price, each. **30c 35c 45c**

Fig. 6

2-G-11517. Fig. 6, Coupling.
Size, ins. 3/8 1/2 5/8
Pr.,ea. **30c 35c 45c**

FULL WEIGHT

STEEL TANKS

GALVANIZED STEEL

Made of Full Weight U. S. STANDARD Gauge Galvanized Steel

LOW PRICES AND GUARANTEE. We quote the lowest prices ever made.

QUALITY. We use only the best quality of galvanized steel sheets and guarantee full weight U. S. Standard gauge No. 20.

HOW MADE. All joints are lock seamed. This style of joint is considered the best possible construction, as there are four thicknesses of metal tightly joined.

COVERS. We can furnish flat covers at 30c per sq. ft. for any tank shown and the size of cover is obtained by multiplying the square of the tank. As an example, on a round tank 4 ft. in diameter a square would be 4x4 or 16 square feet. On round end tanks the square is figured by the length and width and longest and widest point.

CAPACITY. The capacity of tanks as shown in barrels is based on 31½ gallons to the barrel. In figuring the round end tanks no allowance has been made for the round corners, so these tanks will not hold quite as rated.

KNOCKED DOWN TANKS. When tanks are shipped knocked down, all holes are punched, every part is fitted together at the factory and sufficient solder and rivets are sent to put the tank together.

PIPE CONNECTION. We do not cut pipe connection in steel tanks, because it is a difficult matter for anyone to tell before receiving their tanks just where it is best to cut the hole. You can easily cut the hole by using a cold chisel and cut against a block of hard wood.

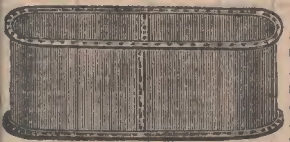
Our galvanized pipe connections consist of one close nipple, two leather washers, two lock nuts and one pipe cap, so you can close hole when you wish. Shipped from factory with tanks.

Prices as follows:

4-G-1600 Pipe Connections.

Size, inches	¾	1	1¼	1½	2
Each	45c	45c	60c	65c	90c

Round End Galvanized Steel Tanks



Made of No. 20 gauge galvanized steel guaranteed. Always shipped set up unless otherwise ordered. Sufficiently heavy for ordinary stock watering or storage purposes. Tanks made of No. 18 gauge steel, additional charge of 25 per cent.

BRACING. On tanks 6, 8 and 10 feet long we furnish one angle brace across the top and two on each side. On larger tanks there are two braces across the top and three on each side.

Prices are F. O. B. Factory, Northern Indiana.

No.	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-1831	2	1	4	1½	50	$5.35
4-G-1832	2	1	6	2½	60	7.30
4-G-1833	2	1	8	3½	85	9.25
4-G-1834	2	2	4	3¾	65	6.80
4-G-1835	2	2	6	5¾	90	10.00
4-G-1836	2	2	8	7½	120	12.00
4-G-1837	2	2½	8	9½	137	13.65
4-G-1838	2½	2	8	9½	135	12.70
4-G-1839	2½	2½	8	12	150	14.65
4-G-1840	3	2	8	11½	145	13.65
4-G-1841	3	2½	8	14	160	15.60
4-G-1842	4	2	8	15	155	17.55
4-G-1843	4	2½	8	17	174	19.50
4-G-1844	4	3	8	23	195	21.45
4-G-1845	3	2	10	14	165	17.40
4-G-1846	3	2½	10	18	192	19.50
4-G-1847	3	3	10	21	215	23.20
4-G-1848	4	2	10	19	205	21.00
4-G-1849	4	2½	10	24	225	23.25
4-G-1850	4	3	10	29	245	27.80
4-G-1851	4	2	16	30	315	33.15
4-G-1852	4	2½	16	38	365	37.05
4-G-1853	5	2	16	38	380	39.00
4-G-1854	5	2½	16	47	400	43.90

Round Galvanized Storage Tanks

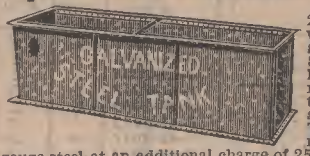
These tanks are shipped knocked down, properly marked to facilitate erection. Every tank is set up at our factory and inspected before shipment. We furnish sufficient solder and rivets. Full instructions also accompany each shipment.

We recommend No. 18 gauge for tanks of 40 bbls. cap. and larger, No. 16 gauge for 100 bbls. tanks and larger.

Prices are F. O. B. Factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap. Bbl.	Wt. Lbs.	Price 20 G.	Price 18 G.	Price 16 G.
4-G-1816	6	6	41	340	$34.25	$42.75	......
4-G-1817	6	8	54	430	42.00	52.50	......
4-G-1818	8	5	60	475	46.55	58.20	......
4-G-1819	8	6	72	530	51.45	64.25	......
4-G-1820	8	8	95	640	63.70	79.60	$95.55
4-G-1821	8	10	120	750	......	89.00	107.00
4-G-1822	10	8	150	875	......	......	123.00
4-G-1823	10	10	180	970	......	......	139.00

Square End Galvanized Tank

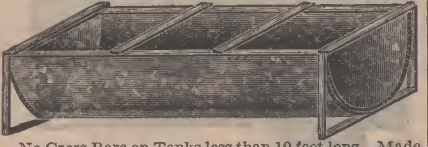


Made of No. 20 gauge galvanized steel guaranteed. Sufficiently heavy for ordinary stock watering or storage purposes. These tanks made of No. 18 gauge steel at an additional charge of 25 per cent.

Prices are F. O. B. Factory, Northern Indiana.

Number	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-1863	2	2	4	3¾	75	$8.30
4-G-1864	2	2	6	5¾	105	10.75
4-G-1865	2	2	8	7½	130	15.60
4-G-1866	2	2½	8	9½	135	17.55
4-G-1867	2½	2	8	9½	150	17.05
4-G-1868	3	2	8	11½	160	18.25
4-G-1869	2½	2½	8	12	170	19.00
4-G-1870	3	2	10	14	190	21.45
4-G-1873	3	2½	10	18	215	23.90
4-G-1874	4	2	10	19	225	25.10

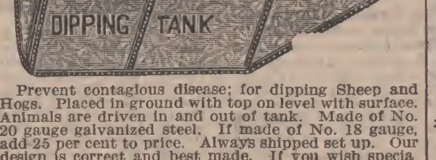
Round Bottom Galvanized Tanks



No Cross Bars on Tanks less than 10 feet long. Made of 20 gauge, galvanized steel, guaranteed. Furnished with steel frame or truss at each end so it can be set on the ground. Does not have to be bolted to timbers. One cross bar on tanks 10 feet long or over. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Wth. Ft.	Dth. Ins.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-2964	1½	8	10	2	60	$4.90
4-G-2967	2	12	8	4	90	7.80
4-G-2968	1½	14	8	4	90	7.85
4-G-2966	1½	14	10	5	100	8.80
4-G-2965	2	12	10	5	100	8.85
4-G-2963	2	20	8	6	130	11.70
4-G-2962	2½	18	8	6	130	11.75
4-G-2961	2	20	10	8	150	13.65
4-G-2960	2½	18	10	8	130	13.70
4-G-2972	3	24	8	10	165	15.60
4-G-2971	3½	22	8	10	165	15.65
4-G-2970	3	24	10	13	175	16.60
4-G-2969	3½	22	10	13	175	16.65
4-G-2974	4	24	8	16	185	18.50

Sheep and Hog Dipping Tank



Prevent contagious disease; for dipping Sheep and Hogs. Placed in ground with top on level with surface. Animals are driven in and out of tank. Made of No. 20 gauge galvanized steel. If made of No. 18 gauge, add 25 per cent to price. Always shipped set up. Our design is correct and best made. If you wish specia style, send sketch and dimensions for prices. Prices, F. O. B. Factory, Northern Indiana.

Number	Ht. Ins.	Lth. Top Ft.	Lth. Btm Ft.	Wth Top Ins.	Wth Btm Ins.	Wt. Lbs.	Price Each
4-G-1895	36	5	3	24	12	115	$13.15
4-G-1896	36	6	4	30	18	128	14.65
4-G-1897	42	10	5	30	12	240	24.40
4-G-1898	48	10	5	30	12	255	26.30

Round Galvanized Steel Tanks

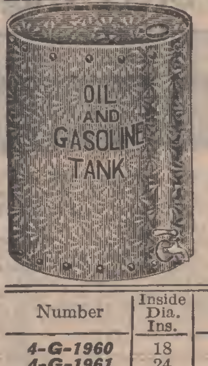
Made of No. 20 gauge galvanized steel, guaranteed. Always shipped set up, unless otherwise ordered. This gauge of steel is sufficiently heavy in any of the sizes which we offer these tanks for ordinary stock, watering or storage purposes. We can furnish these tanks made of No. 18 gauge steel at 25 per cent. higher prices. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-1801	3	2	3	65	$7.80
4-G-1802	4	2	6	90	9.25
4-G-1803	4	2½	7	100	10.50
4-G-1804	4	3	9	115	12.40
4-G-1805	4	4	12	130	15.60
4-G-1806	5	2	9½	115	12.70
4-G-1807	5	2½	12	130	14.15
4-G-1808	5	3	14	140	15.10
4-G-1809	5	4	19	170	20.50
4-G-1810	6	2	14	150	15.60
4-G-1811	6	2½	17	160	17.00
4-G-1812	6	3	20	180	19.50
4-G-1813	6	4	27	210	24.40
4-G-1814	6	5	34	240	29.25

Premier Oil Tanks

These tanks are made of No. 26 gauge galvanized iron body and bottom, with wood bottom under metal, tin hood, portable and steady stream pump which can be taken out of the tank and used for pumping kerosene from barrel into tanks. All tanks are neatly painted and lettered.

No.	Cap. Gal.	Wt., Crated	Price, Each
4-G-1970	30	35	$8.80
4-G-1971	60	50	9.90
4-G-1972	110	65	14.00

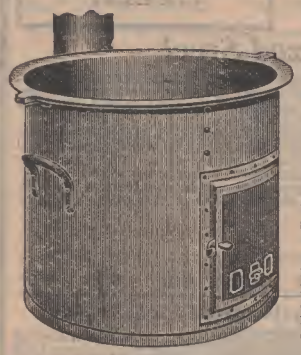


Gasoline and Oil Tanks

Made of No. 20 gauge galvanized steel, is very strong and durable and will stand much hard usage. These tanks are fitted with a screw cap opening in top to fill by and faucet in side near bottom to draw off contents. Prices given below are F. O. B. cars, Factory, Northern Indiana.

Number	Inside Dia. Ins.	Ht. Ins.	Cap. Gals.	Price Each
4-G-1960	18	30	32	$ 5.35
4-G-1961	24	40	58	6.15
4-G-1962	24	36	70	7.60
4-G-1963	34	30	117	9.80
4-G-1964	34	36	140	10.75
4-G-1965	34	42	165	12.95
4-G-1966	34	48	185	14.20
4-G-1967	40	42	225	16.15
4-G-1968	40	48	260	17.60

Tanks, Feeders, Cookers, Tank Heaters



Farmers' Stock Feed Cookers

For cooking feed, heating water, boiling sugar, rendering lard, making soap, scalding. Casing or jacket is made of strong, cold-rolled steel, supported at bottom with a heavy wrought iron band, shrunk on and not riveted. The jacket is one continuous sheet of steel. The smoke is thrown around the kettle before it passes into the smoke pipe. Bringing the outside of the kettle in direct contact with the fire, enables you to boil fifty gallons of feed in from 20 to 30 minutes. Large fire door 12x15 inches. Burns wood from 28 to 36 inches long. Prices quoted are for wood burning cookers. Shipped from warehouses in Southern Michigan or Central Iowa.

Order Number	Actual Cap. Gals.	Diam. Inside Flange	Depth Kettle Inches	Weight Lbs.	Less Cover	Cover Extra
4-G-1991	15	20 in.	13½	100	$10.50	$1.75
4-G-1992	20	23 in.	15	125	11.95	1.75
4-G-1993	30	27 in.	16	175	15.40	2.45
4-G-1994	45	29 in.	18½	200	17.50	2.45
4-G-1995	55	32 in.	21	250	18.90	2.45
4-G-1996	65	34 in.	21	275	21.70	2.45
4-G-1997	75	36 in.	22	300	23.80	2.45

COAL GRATES FOR FARMERS' STOCK FEED COOKERS

4-G-1999 Price, each..... Write for prices.

Washington Fir Stock and Storage Tanks

Made of strictly clear Washington Fir, with Steel Hoops and Lugs. Size: 1½ inch stock is dressed to about 1⅜ inches thick and 2 inch stock is about 1⅞ inches thick. On tanks 8 feet or larger in diameter, we recommend that they be made of the 2 inch stock. We ship tanks Knocked Down direct from warehouse located in Wisconsin.

Order Number	Diam. feet	Length of Staves, Feet	No. of Hoops	Capacity Gallons	Wt. 1½" Lbs.	Price 1½"	Wt. 2" Lbs.	Price 2"
4-G-2001	4	2	2	138	200	$13.90	260	$16.25
4-G-2003	4	4	3	277	300	19.00	390	24.30
4-G-2005	5	2	2	221	225	15.90	363	20.25
4-G-2007	5	5	4	575	550	30.75	715	39.50
4-G-2009	6	2	2	324	300	19.80	390	25.30
4-G-2013	7	2	2	446	400	25.80	520	30.35
4-G-2017	8	2	2	588	455	27.75	591	35.40
4-G-2021	10	2	2	931	600	41.25	780	47.25
4-G-2025	6	6	4	1100	695	41.90	1903	53.50
4-G-2027	6	8	5	1490	.....	.....	1170	74.45
4-G-2029	8	6	4	1950	.....	.....	1267	71.80
4-G-2031	8	8	5	2700	.....	.....	1495	99.25
4-G-2033	10	10	7	5400	.....	.....	1787	156.00

Galvanized Hog Feeder

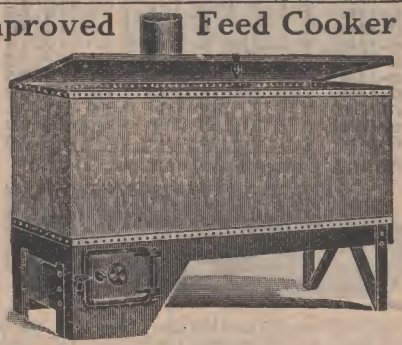
An excellent hog feeder, made of No. 20 gauge galvanized steel, reinforced with heavy angle iron. The construction and design prevents feed waste. Hogs cannot crowd along the trough. Dry feed of any kind will flow down through the container into the trough as fast as it can be eaten. Put in one of these troughs and you will quickly see the advantage of using them only. The feed saved and the health of your hogs will more than pay for your troughs in a surprisingly short time.

4-G-58—4 ft. long, cap., 11 bus., ea. **$14.55**

4-G-59—6 ft. long, cap., 16 bus., ea.. **18.20**

4-G-60—8 ft. long. cap., 21 bus., ea.. **21.80**

Improved Feed Cooker



No steam to keep up, no water to freeze. Furnace and fire flue under the boiler is heavy sheet steel. The fire box has a heavy cast iron grate and back wall. The fuel door and opening in ash pit are cast iron. The furnace is made of 14 gauge steel. The boiler or pan is No. 18 gauge steel. Cover is made of No. 20 gauge steel hinged to one side of the boiler and flanged downward, making it steam-retaining. The grate is made especially for coal, wood or cobs. Can be used for boiling sorghum, and water. Prices, F. O. B., Warehouse in Indiana.

Number	Lgth. Ins.	Wth. Ins.	Dpth. Ins.	Wt. Lbs.	Cap. Gals.	Price Each
4-G-1974	4	24	12	175	60	$17.85
4-G-1975	4	24	18	200	90	19.20
4-G-1976	5	24	18	220	115	21.00
4-G-1977	6	28	18	290	160	26.25

Tank Heater

(Self-Sinking)

$7.75

Made of cast iron in one piece. 12 inches wide, 2 ft. high. Heater will sink itself and remain in place. Needs no rods to hold it down. Can be used in galvanized, cement, wood or any other kind of tank. Equipped with grates and ash tray, 2 ft. of smoke stack with damper and hood. Burns cobs, wood or coal.

4-G-1985. Price.....**$7.75**

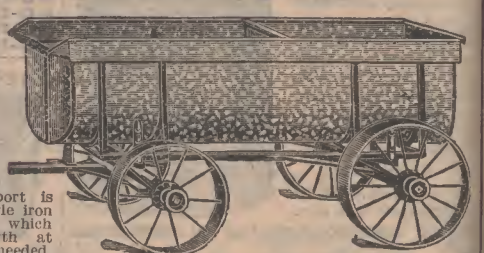
Galvanized Steel Wagon Tanks

$13.65

For portable engine, gathering maple sap and hauling liquids, manure, etc. The top or cover is made of galv. steel, the tanks are made of No. 20 gauge galv. steel. Sides and bottoms flanged together, riveted between two strips of 1x⅛ in. metal, the rivets placed only 3 in. apart. In the top is fastened to tank by flanging sides and top together and riveted or bolted between 1x⅛ in. metal. In the center of top there is a 14 in. round manhole with 3 in. flange extending upward with tight fitting cover. Tank is strongly braced; sizes longer than 6 ft. have one bulkhead in center of tank riveted or bolted to the sides, serves to break force of water and supporting the tank against outward pressure. One inch pipe or hose connection placed close to bottom in rear. Tank is made of 20 gauge galv. steel; can make them up in 18 gauge steel at an additional cost of 25 per cent to the prices below quoted. Prices F. O. B. cars N. Ind.

Number	Wd. Ft.	Ht. Ft.	Lgth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-1979.....	2	2	6	5½	120	$13.65
4-G-1980.....	2	2	8	7½	155	16.35
4-G-1981.....	2	2½	8	9½	168	19.00
4-G-1982.....	3	2	8	12	191	20.90
4-G-1983.....	3	2	10	14	236	24.55

Steel Thresher Tanks

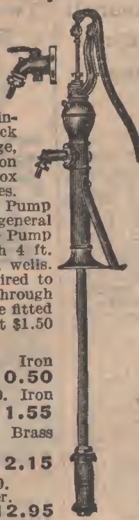


Made of 20 gauge galv. steel, but can make them up in 18 gauge steel at an additional cost of 2 per cent to prices given below. Made with truss support to support contents on a farm wagon bolster. The seams are all soldered inside of tank. Truss support is made of heavy angle iron and in a manner which places the strength at points where most needed. Back of the partition is a 14-inch round manhole with a flange 5 inches high and a tight fitting cover. Across the top of the tank at rear side of manhole is a plank bolted at each end to attach tank pump for filling tank. In the bottom between the front and rear truss we place a 1-inch connection for feed pipe or hose to the engine. The slush board is bolted or riveted to a fastening provided inside of the tank to the side walls, serving to support tank against outward pressure. Our bulkheads are stationary. These tanks will fit any old farm wagon bolster, narrow or wide track. For wide track or 42-inch bolster we bolt a 2x4 piece of wood on each side of truss, front and rear, which makes a close fit.

Number	Lgth. Ft.	Wdth. Ins.	Ht. Ins.	Cap. Bbls.	Wt. Lbs.	Price Each
4-G-1987.....	8	38	24	9½	350	$35.00
4-G-1988.....	10	38	24	12	375	39.00
4-G-1989.....	10	38	28	15	400	41.00

A Selection of Quality Pumps Priced Low

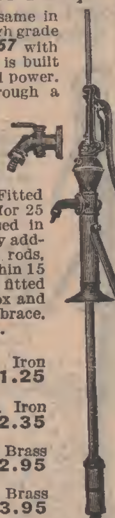
Extra Heavy Hand Force Pump



For deep or shallow wells made of the best materials by skilled mechanics. Extra long handle. This pump is anti-freezing. Has a large air chamber, internal air tubes, back outlet for discharge, brass covering, piston rod, brass stuffing box and heavy cast braces. We recommend this Pump as the very best general purpose Hand Force Pump made. Fitted with 4 ft. set length for 25 ft. wells. If this Pump is desired to discharge water through back outlet it can be fitted with a cock spout at $1.50 additional.

4-G-2357. 3x10. Iron Cylinder. Price. . **$10.50**
4-G-2359. 3½x10. Iron Cylinder. Price. . **$11.55**
4-G-2361. 3x10. Brass Body Cylinder. Price **$12.15**
4-G-2363. 3½x10. Brass Body Cylinder. Price **$12.95**

Extra Heavy Windmill and Hand Force Pump



This pump is the same in construction as our high grade Pump No. ***4-G-2357*** with the exception that it is built for windmill and hand power. Will force water through a hole to any desired elevation. If it is desired to discharge water through the back outlet order with cock spout at $1.50 additional. Fitted with 4 ft. set length for 25 ft. well. Can be used in deeper wells by simply adding pipe and pump rods, keeping cylinder within 15 ft. of the water. Is fitted with brass stuffing box and heavy cast iron brace. Built for heavy work.

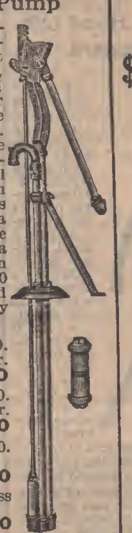
4-G-2365. 3x10. Iron Cylinder. Price . . **$11.25**

4-G-2367. 3½x10. Iron Cylinder. Price. . **$12.35**

4-G-2369. 3x10. Brass Cylinder. Price. . **$12.95**

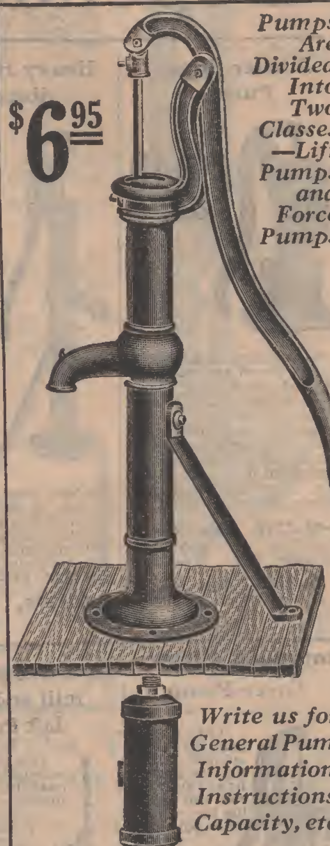
4-G-2371. 3½x10. Brass Cylinder. Price. . **$13.95**

Double Acting Ratchet Head Force Pump



This Pump has adjustable base brass upper cylinder goose neck spout with hose connections, constructed to go in 5⅝ in. casing ratchet or gear head. It is an up-to-date and improved pump. By this construction the leverage is so much increased that a deep well being hard to pump with a fulcrum handle becomes easy to work with a Ratchet Head Pump. We furnish with this pump a lower cylinder which can be lowered to within 10 ft. of the water and used in wells of nearly any depth.

4-G-2411. 2½ x 10. Polished Iron Cylinder. Price.......... **$10.50**
4-G-2413. 3 x 10. Polished Iron Cylinder. Price.......... **$10.80**
4-G-2415. 2½ x 10. Brass Cylinder. Price.......... **$12.00**
4-G-2417. 3x10. Brass Cylinder. Price.......... **$12.50**



$6.95

Pumps Are Divided Into Two Classes —Lift Pumps and Force Pumps

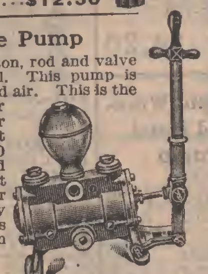
Write us for General Pump Information, Instructions, Capacity, etc.

Premier Wind and Hand Force Pump Standard

The Premier Windmill standard is designed for Windmills and Hand Force Pumps. Another all above ground Force Pump which is built heavy and strong with a plain or cock spout as desired. Fitted for 1¼ in., 1½ in. or 2 in. Pipe and with back outlet for 1¼ in. Pipe. Brass stuffing box, piston rod, revolving head, extra long handle and heavy braces. There is nothing better in Force Pump Standard. This is not a complete Pump and the price includes standard only. Standard is fitted for 6 in. stroke. In ordering, be sure and specify size of pipe for which you wish Pump fitted. Cock Spout for $2.00 additional.

4-G-2373. Fitted for 1¼ in. or 1½ in. pipe. Price.............. **$8.25**
4-G-2375. Fitted for 2-inch pipe. Price **$9.20**

Double Acting Horizontal Force Pump



Brass lined cylinder, extension air pump brass piston, rod and valve seats, easy working, compact, powerful, substantial. This pump is used on our water works outfits for pumping water and air. This is the most powerful, reliable and efficient pump made for elevating water from well or cistern to attic tank or upper floors. Easy working against high pressure. It is double acting and has a capacity of about 300 gallons per hour. Has iron handles and provided with convenient hand holes. Each pump is tested at our factory and is guaranteed positively water and air tight. Cylinder heads are removable. Valves are easily unpacked by unscrewing. Piston rod and valve seats are brass. Both sides are tapped for 1¼ in. suction and 1 in. discharge.

4-G-2395. Horizontal Force Pump, 3-in. brass lined cylinder. Price.................. **$13.65**

When pump is used as combined water and air pump, we furnish same pump equipped with ¼ in. pet cock and ¼ in. check valve. Has pneumatic attachment to screw in cylinder head. To pump air and water simply open pet cock.

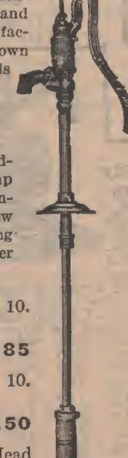
4-G-2455. Combined Water and Air Pump. Price.................. **$15.30**

OUR LEADER PUMP

The greatest pump bargain ever offered. Has a regular 4 ft. set length. Adapted for cisterns or wells not over 25 ft. deep. By lowering cylinder within 10 ft. of water it can be used in deeper wells. Has 6 in. stroke. Fitted with 3x10 iron cylinder. The top is a separate casting attached with a set screw, allowing you to set the handle to any position you wish. Body is cast and is large and strong and nicely finished. A wonderful bargain.

4-G-2267. Price... **$6.95**

Our Renown Force Pump



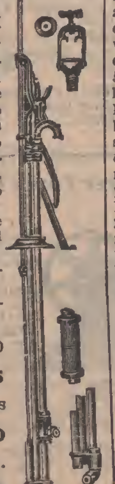
A Force Pump that will do the business and is very cheap. Complete with hose connection. A wonderful bargain and gives absolute satisfaction. Cylinder 4 ft. down for cistern wells or wells 25 ft. deep or less. This pump, however, is adapted to wells as deep as 50 or 75 ft. The base may be adjusted after the pump is set by merely unloosening the set screw or raising or lowering the pump to the upper height.

4-G-2401. 3 x 10. Iron Cylinder. Price.......... **$8.85**

4-G-2405. 3 x 10. Brass Cylinder. Price........ **$10.50**

For Windmill Head add.......... **$2.50**

Double Acting Under Ground 3-Way Force Pump



The latest thing in an Improved Anti-Freezing Hand Pump, for any depth well. For windmill or hand power. Quick-acting cam, 3-way lever, adjustable base, cast iron brace, large air valve, complete with hose connection, also cylinder and strainer. This is the best force pump to purchase for general purposes. It will discharge a great stream of water to any distance. Can be fitted with 1½ in. pipe without extra cost and with adjustable stroke.

6, 8 and 10 in. at an additional cost of $2.00.

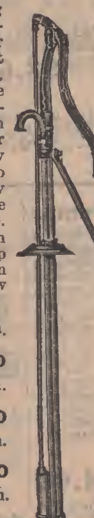
Ratchet Head at additional cost of $2.50.

4-G-2435. 2½ x 10 Brass Body Cylinder. Price........... **$14.65**

4-G-2437. 3 x 10 Brass Body Cylinder. Price........... **$15.00**

4-G-2439. 3½ x 10 in. Brass Body Cylinder. At............. **$15.75**

Double Acting Hand Force Pump



This Double Acting Force Pump has adjustable base, brass upper cylinder, gooseneck spout with hose connection, constructed to go inside 5⅝ in. casing. Especially adapted to use with hose about house or barn throws a steady stream and is easy to operate. This is a very neat, high class force pump at a very low price. For wells deeper than 25 ft. add pipe and pump rods to put cylinder down within 10 to 15 ft. below water mark in well.

4-G-2427. 2½x10 in. Iron Cylinder. Price.......... **$10.60**

4-G-2429. 3 x 10 in. Iron Cylinder. Price **$10.90**

4-G-2431. 2½x10 in. Brass Cylinder. Price **$12.10**

4-G-2433. 3 x 10 in. Brass Cylinder. Price **$12.60**

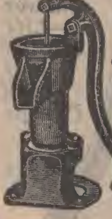
Premier Double Acting 3-Way Pump

For windmill and Hand Power Under Ground Double Acting 3-Way Force Pump. This Pump is one of the most popular sellers which we have ever offered. They simply give perfect satisfaction under all conditions. This Pump is fitted with an up-to-date cam lever for quick adjustment and distributing valve. By merely throwing the lever you can change the Pump from spout supply to third way supply and force the water to tank or out on the lawn or any place you may desire. Pump is fitted with adjustable base, hose connection, strainer, brass upper cylinder, adjustable stroke and is tapped for 2 in. pipe with wood rod connection for tubular wells of any depth.

4-G-2425. Without lower cylinder. Price **$14.15**

Dependable Pumps and Sprays

Pitcher Spout Pumps



$2.40

For cisterns and shallow wells. Bored and polished, finished with two coats green enamel paint, bronze stripping. Bearer top revolves so handle can operate at any angle by raising handle to extreme height. Can drain to prevent freezing. Fitted for 1¼-in. pipe unless otherwise specified.

4-G-2251. Size No. 2, 3 in. Iron Cylinder. Price..**$2.40**

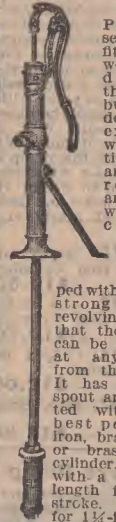
4-G-2253. Size No: 2, 3 in. Brass Body Cylinder. Price............**$4.10**

Heavy Hand Lift Standard

This standard is suitable for any depth well that can be pumped by hand. It is strongly built with revolving head, handle can be operated from any angle at the spout, 6-inch stroke, fitted for 1½ inch pipe. Large waterways, strong iron brace. It is a very practical standard to use in drilled or dug wells. Prices quoted are for standard without cylinder. This standard can be used with our Cylinder 4-G-2723, 4-G-2724, 4-G-2725.

4-G-2299. Price..........**$4.20**

Perfection Anti-freezing Lift Pump



This Pump is set length fitted for wells not deeper than 25 ft., but cylinder can be extended with additional pipe and pump rod into any depth well that can be pumped by hand. It is equipped with a heavy, strong handle, revolving top so that the handle can be operated at any angle from the spout. It has a large spout and is fitted with very best polished iron, brass lined or brass body cylinder. Fitted with a 4-ft. set length for 6-in. stroke. Fitted for 1¼-in. Pipe.

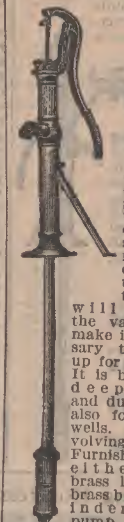
4-G-2269. 2½x10 in. Iron Cylinder. Price........**$7.10**

4-G-2271. 3x10 in. Iron Cylinder. Price........**$7.35**

4-G-2275. 2½x10 in. Brass body Cylinder. Price........**$8.80**

4-G-2277. 3x10 in. Brass Body Cylinder. Price........**$9.20**

Closed Top Anti-freezing

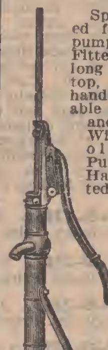


This Pump is designed for use in Public places where children or meddlesome grown-ups may drop stone, metal, etc., into the open top that will damage the valves or make it necessary to open up for repairs. It is built for deep drilled and dug wells, also for drive wells. Has revolving top. Furnished in either iron, brass lined or brass body cylinder. This pump is furnished with cylinder placed 4 ft. down for 25 ft. well, but can be fitted for any depth well by using additional pipe, keeping cylinder within 15 or 20 ft. of the water. Fitted for 1¼ in. Pipe.

4-G-2281. 3x10 in. Iron Cylinder. Price........**$8.00**

4-G-2285. 3x10 in. Brass Body Cylinder. Price........**$9.30**

Improved Windmill Standard Adjustable Stroke



Specially adapted for deep hard pumping wells. Fitted with strong long range bearer top, long, heavy handle and adjustable stroke, 6, 8 and 10 in. For Windmills. Gasoline Engines. Pump Jacks or Hand Power Fitted for 1¼, 1½ or 2 in. pipe. Always shipped for 2 in. pipe with malleable connections for wood pump rods unless otherwise specified.

4-G-2297. Price..........**$7.50**

Two-Way Kitchen Force Pump

$5.95

This Pump is fitted with brass cylinder, brass valve seats, brass piston rod and stuffing box. It is tapped on top in the back of the head for 1 in. discharge pipe. It is a very powerful Pump and will maintain a high pressure. We recommend that this Pump be placed within 25 ft. of the water. Complete with Bibb.

4-G-2263. Size No. 1. 2½ in. Brass Cylinder fitted for 1¼ in. pipe. Price............**$5.95**

4-G-2265. Size No. 2. 3 in. Brass Cylinder fitted for 1¼ in. pipe. Price............**$6.45**

Improved Kitchen Force Pump

This Pump has a brass cylinder, brass valve seat, brass piston rod and stuffing box. Combines both features of a lift and force pump with a syphon spout with hose connection. It is tapped on top n the back of the head for ia 1 in. discharge pipe. It will force the water to any desired elevation to the second or third floor or out on the lawn. The Trip to drain this Pump is operated by raising the handle to the extreme height.

4-G-2264. Size No. 1, 2½ in. Brass Body Cylinder fitted for 1¾ in. pipe. Price............**$5.15**

4-G-2266. Size No. 2, 2 in. Brass Body Cylinder, fitted for 1¼ in. pipe. Price............**$5.65**

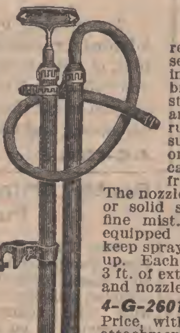
Anti-freezing Windmill and Hand Lift Pump

This is a very substantial general purpose Pump. Built specially strong for heavy pumping. It can be quickly changed from hand to windmill by simply withdrawing the malleable pump pin from the pump handle to connect on the windmill pump rod. Furnished bith the best polished iron, brass lined or brass body cylinder. Pump is furnished with a 4 ft. set length suitable for wells up to 30-ft. deep Also can be usedo. fwells for any depthrby using additional pipe and pump rods. Always keep the cylinder within 10 to 15 ft. of the water.

4-G-2293. 3x10 in. Iron Cylinder fitted for 1¼ in. pipe. Price.......**$8.60**

4-G-2295. 3x10 in. Brass Body Cylinder fitted for 1¼ in. pipe. Price........**$10.45**

"Perfection" Spray Pump

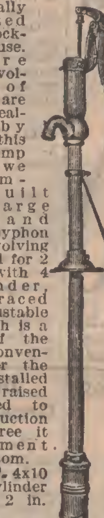


These Pump Barrels are made of seamless brass tubing. The bottom is brass with brass gauze strainer. The valves are hard vulcanized rubber balls. The pressure which is brought on the down stroke can be easily made from 75 to 125 lbs. The nozzle will throw a spray or solid stream, sprinkle or fine mist. Every pump is equipped with agitator to keep spraying solution stirred up. Each pump is fitted with 3 ft. of extra heavy 4 ply hose and nozzle.

4-G-2601. Price, with bucket attachment.......**$4.20**

4-G-2601. Price, fitted with foot holder instead of bucket attachment.........**$4.25**

Big Mouth Stock Pump

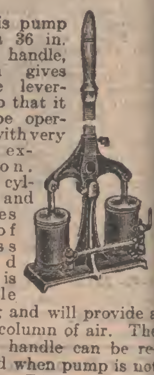


Especially adapted for stockmen's use. Where large volumes of water are to be realized by hand, this is the pump which we recommend. Built with a large waterway and reservoir, syphon spout, revolving head fitted for 2 in. pipe with 4 in. cylinder, strong braced and adjustable base, which is a feature of the great convenience after the pump is installed as it can be raised or lowered to raise suction pipe to free it from sediment. at the bottom.

4-G-2290. 4x10 Iron Cylinder fitted for 2 in. pipe. Price..**$10.50**

4-G-2292. 4x10 Brass Cylinder fitted for 2 in. pipe. Price......**$13.55**

Double Acting Air Pump



This pump has a 36 in. iron handle, which gives ample leverage so that it can be operated with very little exertion. The cylinder and valves are of brass and pump is double acting and will provide a large column of air. The pump handle can be removed when pump is not in use. Diameter of the cylinder, 3½ ins.; length, 5 ins.

4-G-2421 Price.......**$19.95**

Premier Thresher Tank Pumps

$14.40

Large capacity double acting 5 inch cylinder, especially recommended where a large amount of water is required. Capacity, one to two barrels per minute. Furnished with goose neck discharge for 1 inch hose and suction for two inch hose connection. By removing couplings can be used for 2 inch iron pipe connection or smaller size by using proper bushings. Has reversible head, so that handle may be used on either side. Has brass valve seats and is superior to any tank pump on the market today. Suction strainer furnished free of charge with each pump.

4-G-2457. Pump complete as described. Price..............................**$14.40**

4-G-2459. Five inches crimped plunger leathers for pump, per set of two..........................**$1.00**

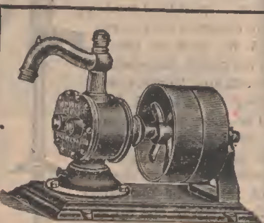
Horizontal Power Force Pump

$35.75

Capable of working against moderately high pressure. All Bearings are babbitted. Valves are brass with leather facing. Has brass Stuffing Nut. Cross Head is heavy malleable iron. Air cocks are provided to drain pump in cold weather. Occupies floor space 22x44 inches. Has a vertical suction lift 30 feet or less. Size, tight or loose pulleys, 14x2½ inches. Gearing ratio, 3 to 1. Shipped from factory, Central Indiana.

	Dia. Cyl.	Suction Pipe	Discharge Pipe	Price Brass Cylinder
4-G-2537	3 in.	1½ in.	1¼ in.	**$35.75**

Rotary Power Force Pump



Largest capacity power force pump made. Especially adapted for irrigation purposes. Will force water 200 feet and throw a solid stream of water 30 feet. Spout is threaded for iron pipe at end and also at top. Bearings are babbitt lined. Cap on upper discharge can be placed on end of spout and water discharged vertically.

	Capacity, Gals.	Suction Pipe	Discharge Pipe	Pulleys Inches	Without Balance Wheel
4-G-2503	13	1¼	1	7x2½	**$17.50**
4-G-2505	14	1¼	1	7x2½	**20.40**
4-G-2507	17	1½	1¼	8x2½	**23.50**
4-G-2509	27	2	1½	12x3½	**42.00**
4-G-2511	36	2	2	12x3½	**45.00**

4-G-2513 Balance Wheel and Handle for Hand Power, extra..........................**$7.50**

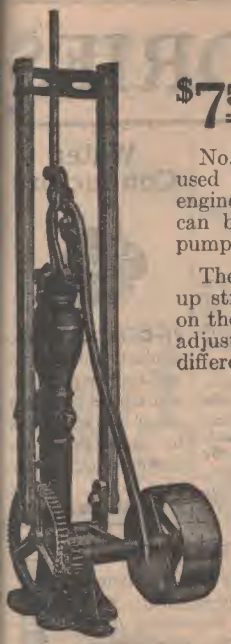
Pump

$7.50 for Gas Engines or Belted Power

No. 550 and No. 660 Jacks are used in connection with gasoline engines or any other belt power and can be attached to any ordinary pump stand.

The pitman rods are vertical on up stroke so there is no side wear on the piston bar of pump, and are adjustable for pump stands of different heights.

Furnished with tight and loose pulleys, 12 inches in diameter, for 2-inch belt, and should be driven from 150 to 200 revolutions per minute.



8-G-660

Base Jack

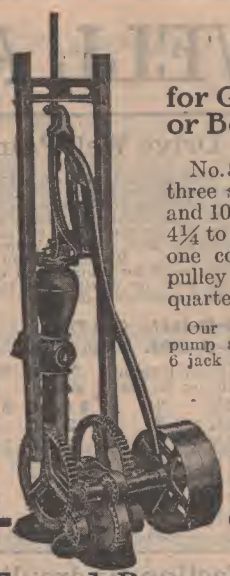
Weight, 80 lbs.

Jacks

for Gas Engines or Belted Power $6.35

No. 550 and No. 660 Jacks have three strokes—5 inch, 7½ inch and 10 inch, and are back-geared 4¼ to 1 so the pitman rod makes one complete stroke while the pulley makes four and one-quarter revolutions.

Our No. 5 jack clamps direct to pump as shown in illustration. No. 6 jack is so constructed that it bolts to same platform that pump is attached to and can be used on the floor, wall or ceiling. This jack we recommend where it is not possible to clamp direct to pump.



Clamps Direct to Pump

8-G-550

Clamp Jack

Weight, 70 lbs.

Double Back-Geared Pump Jack, $10.75

Fitted with two sets of driving gears. Has double the strength of the single geared type. Recommended for very deep wells.

It has three strokes, 4½, 7 and 10 inches, and is back geared 9¾ to 1, so that the driving pulley makes about 300 revolutions per minute while the pump is making 30 strokes per minute.

This is a most excellent jack to use with all sizes of gasoline engines; if you have a small engine you can belt direct without reducing its power or slowing engine down.

Pulleys are 12 inches in diameter for 2-inch belt, but if these sizes do not give you the required speed other diameter pulleys can be furnished at a nominal cost. Weight, 96 pounds.

8-G-770. Double Back-Geared Pump Jack. Price..... **$10.75**

Pump Cylinders

The most important part of the pump — Our cylinders are most carefully made, bored true, and plungers fit accurately.

A 10-inch cylinder has a 6-inch stroke; a 12-inch cylinder an 8-inch stroke; a 14-inch cylinder a 10-inch stroke and a 16-inch cylinder a 12-inch stroke.

2-inch cylinders are fitted for 1-inch pipe; 2½ or 3-inch cylinders fitted for 1¼-inch pipe; 3½-inch for 1½-inch pipe and 4-inch cylinders fitted for 2-inch pipe.

We recommend brass-body cylinders.

Iron Body Brass Lined Cylinders

4-G-2723

Diam. Inch	Length, Inches			
	10	12	14	16
2	$2.75	$2.90	$3.10	$3.52
2½	2.95	3.15	3.40	3.90
3	3.30	3.50	3.90	4.95
3½	3.85	4.10	4.50	4.45
4	4.80	5.25	5.80	6.55

Tubular Well Valves

Style No. 1 — Two Leather Plunger — Flat Check

Style No. 2 — Ball Leather Plunger — Ball Check

Style No. 3 — Four Leather Plunger — Bale Top Check

Style No. 4 — Four Leather Ball Plunger — Bale Top Ball Check

Our Tubular Well Valves are heavy and strong and of the **best quality** of brass, carefully and well finished inside and out, fitted with the best oak tan leathers.

Prices quoted below per set consist of check and plunger valve.

No.	Size Ins.	Lea.	Price Set
4-G-2788	2	2	$3.00
4-G-2789	2	4	3.75
4-G-2790	2½	2	4.85
4-G-2791	2½	4	$ 6.00
4-G-2792	3	2	7.00
4-G-2793	3	4	8.60

Eureka Tubular Well Cylinder

Made of seamless drawn brass tubing with brass valves and designed to fit inside of the pipe in sizes as listed. The cylinder is perfectly flush, having no caps, making it possible to be slipped into pipe and set at any depth desired.

It can be readily removed for repairs or taken up and replaced in another well.

A seating tool is used for this purpose in connection with 1-inch pipe of sufficient length to lower seating tool to the depth which cylinder is to be placed. A spring coupling holds firmly to the walls inside of pipe. Length of stroke 12 inches.

Number	Size	Each
4-G-2777.	2 inch	$5.80
4-G-2778.	2½ inch	8.85
4-G-2779.	3 inch	12.75

Brass Body Cylinders with All Brass Plungers

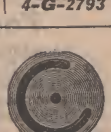
4-G-2724½

Diam. Inch	Length, Inches			
	10	12	14	16
2	$4.95	$5.70	$ 6.05	$ 6.45
2½	5.25	6.00	6.50	7.40
3	6.00	6.80	7.25	7.90
3½	7.10	8.50	9.10	9.90
4	9.60	11.15	11.75	12.70

All Iron Cylinders

4-G-2725

Diam. Inch	Length, Inches			
	10	12	14	16
2	$1.45	$1.90	$2.15	$2.20
2½	1.68	2.15	2.30	2.50
3	1.95	2.50	2.70	2.85
3½	2.72	3.20	3.55	4.00
4	3.45	4.10	4.60	5.15

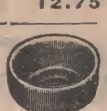


Lower Valve Leathers

4-G-2726. Made from the best oak tanned leather.

Dia.,Cyl.	2	2½	3	3½	4
Each....	5c	6c	9c	11c	15c

Plunger Leathers



4-G-2727. Made from best oak tanned leather.

Dia.,Cyl.	2	2½	3	3½	4
Each....	10c	12c	15c	23c	28c

PUMP AND WELL ACCESSORIES

Stuffing Box Heads

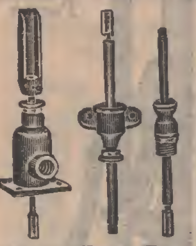


Fig. 1 Fig. 2 Fig. 3

Used in connection with tubular wells in place of Pump Standards.

Stuffing Box Head (Fig. No. 1) with side outlet made of iron with polished steel rod. Fitted at top end with square wood rod socket.

Number	Pipe size, Inches	Stroke, Inches	Price, Each
4-G-2643	1¼	10	**$3.95**
4-G-2645	1½	10	**3.95**
4-G-2647	2	10	**3.95**

(Fig. No. 2), made of iron with 7/16-inch polished steel pump rod.

Number	Size, Pipe Inches	Stroke Inches	Price, Each
4-G-2649	1¼	10	**$2.20**
4-G-2651	1½	10	**2.20**
4-G-2653	2	10	**2.20**

(Fig. No. 3), made of cast brass with 7/16-inch polished steel pump rod.

Number	Pipe, Size Inches	Stroke Inches	Price, Each
4-G-2655	1¼	10	**$2.95**
4-G-2657	1½	10	**2.95**
4-G-2659	2	10	**2.95**

Gauze Covered Strainers

4-G-2671. Used on the end of well and cistern pipe and is covered with brass cloth.

Size, inches...........	1	1¼	1½	2
Price, each...........	**31c**	**36c**	**40c**	**56c**

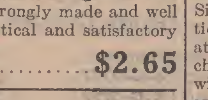
Tank Floats

To be used in connection with Float Valves. Stem being attached to valve lever to open and close automatically.

5-G-2689. Copper Floats. Size, 9½x2¾ inches. Price, each........... **$1.50**

5-G-2690. Copper Tank Floats. Size, 12x3 inches. Price, each.............. **$1.90**

Little Giant Pipe Holder



4-G-2685. A new device for holding pipe. Will hold pipe sizes 1, 1½ and 2 ins. Dog has corrugated chilled surface, making it impossible for the pipe to slip. Strongly made and well finished. A thoroughly practical and satisfactory tool.

Price.............................. **$2.65**

Float Valves

5-G-2687. Reversible Float outlet valves for automatically controlling the flow of water in reservoirs, stock tanks, cisterns, etc., and is equally effective under high or low pressure. Valve opens with flow instead of against it. Valve will not stick, and is not injured by freezing. By reversing the lever a perfect outlet valve is obtained.

Size, inches...........	¾	1	1¼
Price, each...........	**$1.50**	**$1.75**	**$1.95**

Drive Well Points

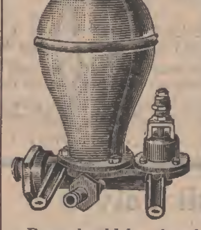
They are made of wrought iron pipe galvanized inside and out after the holes are punched. They are covered with brass gauze and have a great filtering surface. No. 60 gauze is generally used. No. 100 gauze is for quicksand. We can furnish either flush point for tubular well or with cast point for driving. Be sure and give number when ordering.

4-G-2661. Cast Point.

4-G-2663. Flush Point.

Diam. Inches	Length Inches	No. 60 gauze	No. 100 gauze
1¼	24	**$1.60**	**$3.50**
1¼	30	**2.00**	**4.40**
1¼	36	**2.45**	**5.25**
1¼	42	**2.85**	**6.10**
1½	30	**2.60**	**5.15**
1½	36	**3.15**	**6.20**
1½	48	**4.20**	**8.00**
2	36	**4.60**	**8.25**

Perfection Hydraulic Rams



Here is one of the most wonderful machines for water supply. It will automatically lift water to a tank or reservoir, providing it is placed so as to obtain a fall of 2 ft. or more from the stream, or source of supply to this ram.

An example: If you are near a stream of water, so situated that you can secure a fall of 2 ft. or more from the water to the location of the ram, the ram will automatically discharge a certain portion of the water to a point considerably above and beyond the ram.

Ram should be placed below a Spring or stream of water at a distance varying from 25 to 50 feet. For every 10 ft. that you wish to elevate the water, the ram must be placed one foot below the level of the Spring. Should you wish to elevate the water to a height of 50 ft., ram would have to be placed at a point 5 ft. lower than the source of supply.

A ram with a 10 ft. fall will drive about 1-7 of the water furnished a distance of 100 to 200 rods to a position 100 to 200 ft. above the level of the ram.

Order No.	Size No.	Supply per min. to operate Ram, Gals.	Length of Drive Pipe, Ft.	Caliber of Pipes Ins. Dr.	Dis.	Price
4-G-2517	3	2 to 4	50 to 75	1	½	$14.25
4-G-2519	4	3 to 7	50 to 100	1¼	¾	18.75
4 G-2521	5	6 to 11	50 to 150	2	1	23.00
4-G-2523	6	11 to 25	50 to 200	2½	1¼	48.00

Pump Stock and Dies

4-G-2619. 2 dies and 1 stock. Will cut full threads. Size, inches, ⅜ and 7/16.
Price, each........................... **$3.35**

Monitor Pipe Holder

4-G-2683. Capacity from 1 to 2 ins. Simple in construction and easily operated. The dog is chill hardened and will not wear. Grips the pipe perfectly and guaranteed not to slip. Price...... **$5.60**

Foot Valves

A combination Foot Valve and Strainer. It is placed on the end of pipe in the bottom of cistern or well and prevents anything passing into the pipe and thereby choking the cylinder. It also serves the purpose of a check valve, keeping water in the pipe and making priming unnecessary.

Number.	Size.	Price
21-G-2664.	For 1 in. pipe...........	**$0.53**
21-G-2665.	For 1¼ in. pipe...........	**.61**
21-G-2667.	For 1½ in. pipe...........	**.78**
21-G-2669.	For 2 in. pipe...........	**1.05**

Galvanized Pump Rod Coupling

To be used in connection with galvanized steel Pump Rod. These couplings are malleable iron heavily galvanized and are threaded.

4-G-2613. Size, ⅜ in., 14 threads to the inch. Price, each........... **5c**

4-G-2615. Size, 7/16 ins. 14 threads to the inch. Price, each........... **6c**

4-G-2617. Size, 7/16x⅜. Reducing pump rod coupling. Price, each...... **7c**

Water Conductors

21-G-2673. Used to conduct water from spout of pump to tank and are made with a swivel so water can be carried in any direction from the pump.

Size, inches..1¼ 1½
Price, each **67c 67c**

Murdock Lawn Hydrants

4-G-2693. The body of this Hydrant is ornamental and anti-freezing. When shut off, the valve at the bottom drains the body of the Hydrant. This valve can be removed from the top and be repaired without taking up the hydrant.

The tops of these hydrants are well constructed and nicely finished. All parts are made from the very best material and each hydrant is fully guaranteed.

Size, inches...	¾	¾	1	1
To set in ground, ft...	3	4	3	4
Price......	**$5.50**	**$6.05**	**$6.90**	**$7.40**

Drive Caps

4-G-2677. Used for driving pipe for Drive Wells. Guaranteed not to crush the thread.

Size, inches..	1¼	1½	2	2½	3	4
Price, each..	25c	31c	52c	$1.26	$1.58	$1.90

Cast Steel Drive Shoes

4-G-2679. These shoes are made of cast special steel and have a recess as shown in illustration, to prevent the pipe from spreading or breaking off at end of threads. They have an inside shoulder to prevent the pipe from being forced through the shoe.

Size	Price Each	Size	Price Each
2 inches....	**$0.90**	4 inches....	**$2.95**
2½ inches....	**1.25**	4½ inches....	**4.20**
3 inches....	**1.68**	5 inches....	**4.75**
3½ inches....	**2.80**	6 inches....	**7.25**

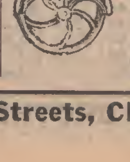
Babcock Pipe Lifter and Holder

4-G-2681. Used by well drillers. It is simple and perfect in its operation, guaranteed not to tear or damage pipe. Handles pipe from 1 to 2 inches inclusive.

Approximate weight, 45 pounds.

Price......... **$7.00**

Well Wheels

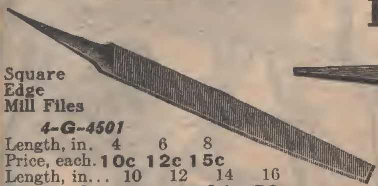


4-G-2576. For use with rope, size, ½-inch or smaller. Can also be used with regular well chain. Width of frame, 10 inches. Japanned finish.

Price........................ **90c**

General Hardware at Big Savings

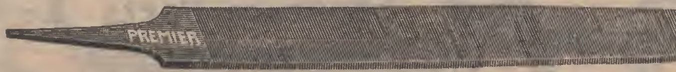
Premier Warranted Files



Square Edge Mill Files

4-G-4501

Length, in.	4	6	8	
Price, each	**10c**	**12c**	**15c**	
Length, in.	10	12	14	16
Price, each	**19c**	**26c**	**38c**	**52c**



The best cutting and most satisfactory files manufactured. Made of special crucible steel, carefully hardened and tempered.

Flat Bastard Files

4-G-4502

Lgth., ins.	4	5	6		
Price, ea.	**13c**	**14c**	**15c**		
Lgth., in.	8	10	12	14	16
Pr., ea.	**19c**	**25c**	**35c**	**46c**	**64c**

Rural Mail Brass Padlock

Solid hard brass inside works. Will not rust or corrode. Automatic spring shackle. Price includes 2 keys with each lock. One master key for use of mail carrier furnished with each dozen locks.

4-G-3747. Price, each, without chain.............................. **55c**
4-G-3749. With 6 inch brass chain. Price, each.............................. **65c**

Bronze Bicycle Lock

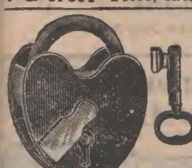
Extra strong shackle and bolts, self locking spring shackle furnished with 10-inch nickel plated steel chain, with solid steel ring; 2 keys. A strictly first class lock.

4-G-3745. Price.............................. **45c**

6-Lever Wrought Steel

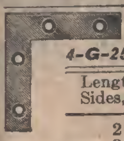
Solid rod steel case heavily brass plated and handsomely finished, six screw levers, all brass inside work; self locking spring shackle; 2 flat steel keys.

4-G-3739. Price, each.............. **60c**



Steel Lock with Brass Drop

Brass cover key hole, case made of annealed steel, contains no rivets or loose bolts, shackle made of highest quality malleable iron, 2 keys.
4-G-3727. Price, each..... **22c**



Wrought Steel Flat Corner Iron

4-G-2565

Length of Sides, Ins.	Width Inches	Price per Doz.
2½	½	22c
3	½	24c
3	⅝	29c
4	¾	36c

Less screws.

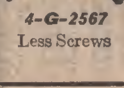
Wrought Steel Mending Plates

4-G-2566

Length, inches	Width, inches	Price, per Doz.
2	⅝	21c
3	¾	29c
4	⅞	36c

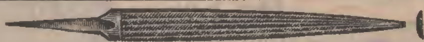
Less Screws.

Wrought Steel Corner Iron



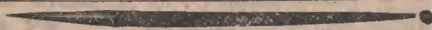
4-G-2567
Less Screws

Length of Sides, Ins.	Width, Inches	Price per Doz.
1	½	15c
1½	⅝	19c
2	⅝	24c
2½	⅝	32c
3	¾	39c
4	⅞	68c



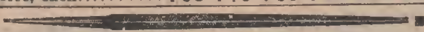
Half Round Bastard Files
4-G-4505

Length, inches	6	8	10	12	14
Price, each	**21c**	**27c**	**32c**	**42c**	**55c**



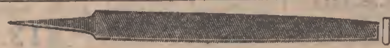
Round Bastard Files
4-G-4507

Length, inches	4	5	6	8	10	12
Price, each	**10c**	**11c**	**13c**	**15c**	**20c**	**27c**



Square Bastard Files
4-G-4539

Length, inches	4	5	6	8	10	12
Price, each	**13c**	**15c**	**17c**	**19c**	**26c**	**36c**



Mill Files—One Edge Round
4-G-4511

Length, inches	8	10	12	14
Price, each	**17c**	**22c**	**30c**	**50c**

Taper Saw Files—Single Cut
4-G-4513

Length, inches	3	4	5	6	7	8
Price, each	**7c**	**7c**	**9c**	**12c**	**15c**	**19c**

Slim Taper Saw Files—Single Cut
4-G-4515

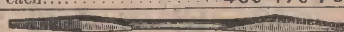
Length, inches	3	4	5	6	7	8
Price, each	**7c**	**7c**	**9c**	**11c**	**14c**	**16c**

Cant Saw File

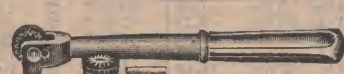
4-G-4517 Length, inches	5	6	7	8
Price, each	**16c**	**19c**	**22c**	**30c**

Half Round Wood Rasp

4-G-4521 Length, inches	8	10	12	14
Price, each	**40c**	**47c**	**70c**	**90c**



Auger Bit File
4-G-4519 Suitable for filing any size auger bit without filing the screw or lip. Will save auger bits. Each.............................. **20c**

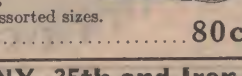


Huntington Pattern Emery Wheel Dresser

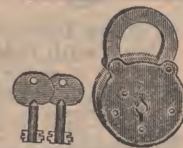
This Emery Wheel Dresser is used for purposes of truing, shaping and removing glaze from emery wheel while running at full speed. This tool will entirely remove glaze thereby causing the emery wheel to grind properly.

4-G-2662. Price, with two sets of cutters. **56c**
4-G-2666. Extra cutters, per set............ **8c**

Hollow Handle Awl Set

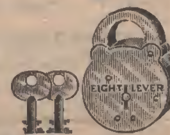


4-G-4539. Hollow hardwood handle, 5 inches long, containing 50 ft. best waxed linen shoe thread, 3 awls and 5 needles, assorted sizes.
Price.............................. **80c**



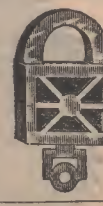
Wrought Steel Padlock

Heavily brass plated with self locking spring shackle, 6 screw levers, 2 double fitted barrel keys.
4-G-3757...... **33c**



8-Lever Rustproof Steel

Heavily brass plated with heavy self locking spring shackle, 6 screw levers, 2 double heated barrel keys and strong durable lock. An exceptional value.
4-G-3755 Price.............................. **70c**



Ornamental Steel Lock

4-G-3729 One of our best values, ornamental brass plated steel case, strong spring shackle, self locking with 2 flat steel keys. Price...... **31c**

3-Lever Brass Padlock

For outside use, heavy spring shackle, self locking, 2 flat steel keys. ***4-G-3753***.. **82c**

Solid Steel Padlock

4-G-3725. Stronger and more durable than the old steel rod iron padlock. Case is made of annealed steel, contains no rivets or loose parts. Japan finish polish shackles, with 2 keys.
Price, each.............................. **20c**

Steel Wire File Cleaner

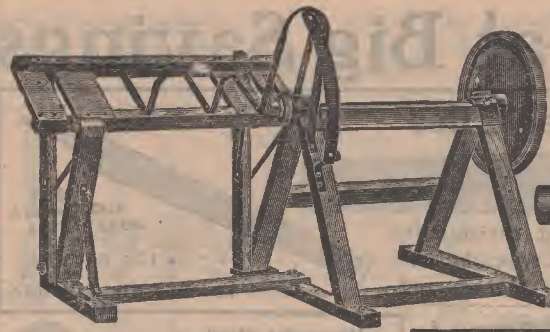
4-G-4533. Made with steel wire bristles.
Price.............................. **27c**

Wood File Handles

4-G-4537. Furnished in three sizes, large, medium and small. Be sure and give size wanted when ordering.
Price, each.............................. **5c**

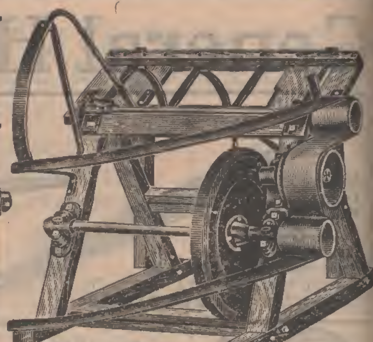
Interchangeable File and Tool Holder

4-G-2668. Will hold files and tools square, round or flat shank, smaller than ⅜ inch.
Price, each.............................. **17c**



WOOD SAW FRAMES

Separate Parts



Tilting Table Wood Saw Frame with Pole Extension

Perfectly adapted for sawing either long poles or heavy logs, etc. Right hand frame furnished, unless otherwise specified. Mandrel 1½ inch diameter, turned to fit 1⅜ inch hole in saw. Fitted with 95 lb. balance wheel. Pulley, 5 inch diameter, 6 inch face. Prices, F. O. B. Cars, factory near Chicago. Weight, 325 lbs. Shipped knocked down.

16-G-490. Frame complete, no saw. Price....................... **$23.50**

TILTING TABLE WOOD SAW FRAME

We furnish the saw frame above without extension tilting table for sawing cordwood and short boards, etc.

16-G-500. Frame, complete, no saw. Price....................... **$21.85**

Build them Yourself. Here are the Parts, Mandrels, Balance Wheels, Boxes, Pulleys.

We offer for the convenience of those who wish to build their own saw frames, the following parts:

16-G-2515. Mandrel, 1½ in. in diameter only. Turned down to fit 1⅜ inch hole in saw. Weight about 35 lbs. Length 49″......... **$3.40**

16-G-2517. Babbitted Bearing Boxes, connected. Weight about 35 lbs. Price per set........................... **$3.40**

16-G-2519. Balance Wheel. Weight 95 lbs. Price each...................... **$7.15**

16-G-2521. Belt Pulley, 5 in. in diameter, 6-inch face. Weight 11 lbs. Price.... **$1.50**

16-G-2523. Consists of Mandrel shaft complete with balance wheel, boxes and belt pulley. Weight 170 lbs. Price................. **$13.50**

NOTE—When ordering pulley and balance wheel separately, unless otherwise stated, they will be furnished to fit 1½ inch shaft.

Tilting Table Pole Saw Frame

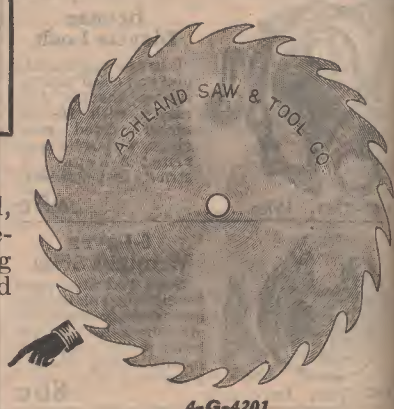
Constructed of fine hardwood. Braced and bolted. Balance wheels on separate shaft, entirely out of the way so that long poles may be sawed. The power is fed direct to saw. Mandrel 1½ inch diameter, turned to fit 1⅜ inch hole in saw. Pulley 5 inch diameter, 6 inch face. Fitted with 95 lb. balance wheel. Weight, 350 lbs. The prices quoted are F. O. B. factory, near Chicago. Shipped knocked down.

16-G-511. Without saw. Price.......................... **$28.00**

4-G-4203
Solid Tooth Cut-Off Saw

Premier Circular Saws

Made of highest grade crucible steel, tough and perfectly tempered. Carefully made in one of America's leading factories. Accurately ground and filed by hand. Fully guaranteed.



4-G-4201
Solid Tooth Rip Saw

Prices of Rip and Cut-Off Saws

Be sure to state diameter, gauge, hole, lot No., whether rip or cut-off saw, whether for left or right hand mill.

Diameter	Thickness Gauge	Size Hole	Shipping Weight	Price	Diameter	Thickness Gauge	Size Hole	Shipping Weight	Price
6	18	¾	7 oz.	$ 1.48	34	9	1⅝	50 lbs.	$ 18.45
8	18	⅞	1 lb.	1.98	36	9	1⅝	65 lbs.	21.15
10	16	1	2½ lbs.	2.52	38	9	1⅝	92 lbs.	36.75
12	15	1	4 lbs.	3.15	40	9	2	102 lbs.	42.18
14	14	1⅛	6 lbs.	3.83	42	8	2	110 lbs.	48.30
16	14	1⅛	8 lbs.	4.73	44	8	2	120 lbs.	56.47
18	13	1¼	10 lbs.	5.63	46	8	2	130 lbs.	66.68
20	13	1$\frac{5}{16}$	12 lbs.	6.75	48	8	2	137 lbs.	76.20
22	12	1$\frac{5}{16}$	15 lbs.	7.88	50	7	2	155 lbs.	86.40
24	11	1⅜	20 lbs.	9.23	52	7	2	168 lbs.	98.60
26	11	1⅜	24 lbs.	10.80	54	7	2	175 lbs.	106.00
28	10	1½	28 lbs.	12.60	56	7	2	182 lbs.	122.00
30	10	1½	33 lbs.	14.40	58	7	2	190 lbs.	136.00
32	10	1⅝	35 lbs.	16.43	60	6	2	205 lbs.	152.00

Cord Wood and Pole Saws

4-G-4213. Natural Oil Temper finish. Manufactured by expert mechanics and high grade material. They are ground, hand filed, set and sharpened for the use intended, but are not constructed for high speed works.

Any size saw and mandrel hole on saws furnished direct from factory if specified; otherwise we ship saws with 1⅜ inch mandrel hole.

Diam. Inches	Gauge, No.	Size hole, Inches	Price
20	13	1⅜	$2.50
22	12	1⅜	2.95
24	11	1⅜	3.45
26	10	1⅜	4.05
28	10	1⅜	4.70
30	10	1⅜	5.40

Circular Saw Mandrels

Our circular saw mandrels are the highest grade and guaranteed to give satisfactory service. Bearings are extra long and made of specially chilled iron and are well babbitted. The shaft is cold rolled steel.

16-G-530. Pulley in center
16-G-531. Pulley on righth and side, with left hand thread.

Size	Diam. Pulley	Face of Pulley	Lgth. Shaft	Diam. Shaft	Hole in Saw	Price Each
0	2	3	16	⅞	¾	$3.40
1	2½	3½	16	1$\frac{1}{16}$	1	4.15
2	3	4	19	1$\frac{3}{16}$	1⅛	4.70
3	3½	4½	21	1$\frac{5}{16}$	1¼	6.75
4	4	5	24	1$\frac{7}{16}$	1$\frac{5}{16}$	8.10
5	4½	5½	26	1$\frac{7}{16}$	1$\frac{5}{16}$	9.30
6	5	6	28	1$\frac{7}{16}$	1⅜	9.90
7	5½	6½	30	1$\frac{7}{16}$	1⅜	10.20
8	6	7	32	1$\frac{9}{16}$	1½	10.95
9	7	8	37	1$\frac{11}{16}$	1½	13.60
10	8	8	41	1$\frac{13}{16}$	1⅝	17.10
11	9	10	41	2$\frac{3}{16}$	2	21.70

Inserted Tooth Saws

4-G-4205. The mandrel holes on the rough plates are 2 inches in diameter, with 2⅝ inch pin holes spaced 3 inch, center to center. When ordering be sure to state number of teeth wanted, diameter, gauge at center and at rim, horsepower of engine, r. p. m., while cutting, rip or cross-cut, right or left hand mill. No cancellation of order. One full set of extra Teeth, two Shanks and one Wrench furnished with each saw. Can furnish one gauge heavier or lighter, for same price.

Diam. Ins.	Gauge	Size of Hole, Ins.	No. of Teeth	Price, Each
40	8	2	26	$ 81.50
42	8	2	28	87.50
44	8	2	30	96.00
46	8	2	32	104.00
48	8	2	34	116.50
50	8	2	36	128.00
52	7	2	38	142.50
54	7	2	40	160.00
56	7	2	42	180.50
58	7	2	44	198.00
60	7	2	46	218.50

Prices of steel bits, extra holders for points and inserted tool wrench on request.

Band Saw Blades

4-G-4427. Made from special tool steel, they are extra flexible and made to stand hard usage.

Wth. Ins.	No. Gauge	Length, feet 10	12	14	16	18	20
¼	21 or 22	$2.20	$2.64	$3.08	$3.52	$3.96	$4.40
⅜	21 or 22	2.50	3.00	3.50	4.00	4.50	5.00
½	21 or 22	2.80	3.36	3.92	4.48	5.04	5.60
⅝	21 or 22	3.50	4.20	4.90	5.60	6.30	7.00
¾	21 or 22	3.80	4.56	5.32	6.08	6.84	7.60
1	20 or 19	4.80	5.76	6.72	7.68	8.64	9.60

Cross Cut Saws

Made of High Grade Special Saw Steel, unequaled in material, workmanship and temper. Premier Cross-Cut Saws are accurately ground, filed and hand set. Each saw is closely inspected and tested at the factory before shipment. They are the fastest cutting and easiest running saws manufactured. All saws are sharpened, ready for use. We guarantee every saw to give perfect satisfaction or money refunded.

Perforated Lance Tooth Cross Cut Saw

4-G-4101. A general favorite with the lumbermen. Thin back, ground 4 gauges thinner on back than on cutting edge. An easy and fast cutter. Will not bind in the timber. Each saw most carefully tempered, filed and hand set. Guaranteed fully in every particular. Prices do not include handles.

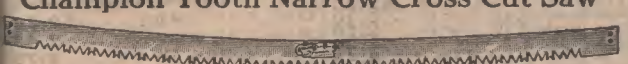
Length, feet	5	5½	6	6½	7
Price	$2.70	$2.97	$3.24	$3.51	$3.78

Champion Tooth Wide Cross Cut Saw

4-G-4103. Taper ground, thin back, set and sharpened. A strictly first class saw, fully warranted. Prices do not include handles.

Length, feet	5	5½	6	6½	7
Price	$2.31	$2.55	$2.77	$3.00	$3.23

Champion Tooth Narrow Cross Cut Saw



4-G-4105. Properly tempered, set and sharpened. Each saw fully warranted. Prices do not include handles.

Length, feet	5	5½	6	6½
Price	$1.35	$1.48	$1.62	$1.77

Champion Tooth One Man Straight Back Cross Cut Saw

4-G-4107. Ground two gauges thinner on back than on cutting edge. Fitted with supplementary handle. You cannot buy a better saw at any price. Guaranteed to give entire satisfaction.

Length, feet	3	3½	4	4½	5
Price	$1.70	$2.00	$2.27	$2.55	$2.85

American Tooth One Man Straight Back Cross Cut Saw

4-G-4109. Taper ground, thin back. Hand set and filed. A good cutting saw that will give excellent service. Fully warranted.

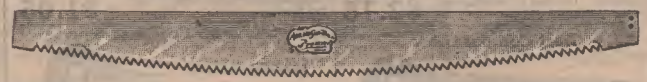
Length, feet	3	3½	4	4½	5
Price	$1.74	$2.03	$2.32	$2.61	$2.90

Diamond Tooth Cross Cut Saw

4-G-4129. Ground to a true taper. 4 gauges thinner on back than on cutting edge. Prices do not include handles. Fully warranted.

Length, feet	5	5½	6	6½	7
Price	$2.68	$2.95	$3.22	$3.50	$3.75

Plain Tooth Cross Cut Saw



4-G-4131. Taper ground, thin back. Fully warranted. Prices do not include handles.

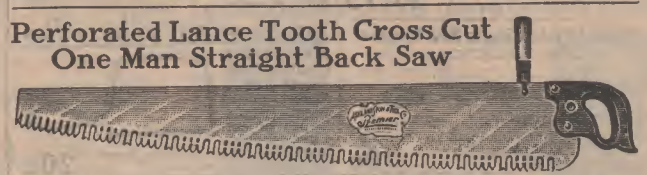
Length, feet	5	5½	6	6½	7
Price	$2.30	$2.56	$2.78	$3.03	$3.25

Champion Tooth Felling Saw

4-G-4133. The best felling saw made. Fully warranted. Prices do not include handles.

Length, feet	5	5½	6	6½	7
Price	$2.32	$2.57	$2.80	$3.05	$3.27

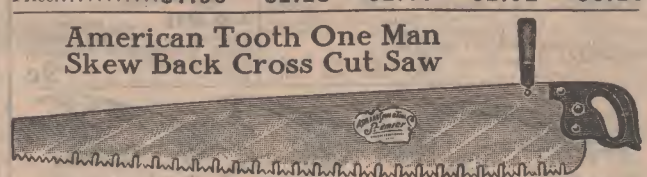
Perforated Lance Tooth Cross Cut One Man Straight Back Saw



4-G-4135. Ground four gauges thinner on back than on cutting edge. The most popular and fastest cutting saw manufactured. Fully warranted.

Length, feet	3	3½	4	4½	5
Price	$1.96	$2.28	$2.60	$2.92	$3.26

American Tooth One Man Skew Back Cross Cut Saw



4-G-4137. Taper ground, thin back, properly tempered and hand set and filed.

Length, feet	3	3½	4	4½	5
Price	$1.80	$2.10	$2.40	$2.70	$3.00

One Man Cross Cut Saw Handles

4-G-4143. Selected beechwood. Varnished Edges. Without screws. Price..... **20c**

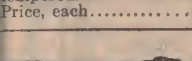
4-G-4145. Supplementary handles, with rivet. Each..... **25c**

Steel Ice Tongs

4-G-4147. Drop Forged Steel. Constructed in a superior manner and will handle 200 pounds..... **$1.45**

Whiting Pattern Saw Set

4-G-4125. Highest grade steel, properly tempered.
Price, each..... **60c**



4-G-4151. Reversible Pattern.
Per pair... **35c**

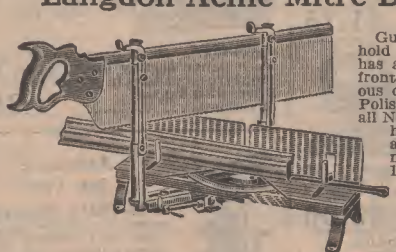
4-G-4149. Loop Pattern.
For two-man cross-cut saw.
Per pair..... **32c**

4-G-4113. Extra blades. Price, each..... **50c**

Buck Saws 95c

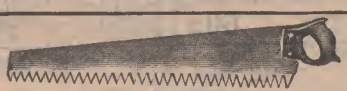
4-G-4111. Selected hardwood frame. Painted red. With tinned rod, blued clock spring blade, 2¼ inches wide, properly tempered. "V" shaped teeth, set and sharpened, ready for use. Fully warranted.
Price..... **95c**

Langdon Acme Mitre Boxes



Guides are long; hold the saw steady; has a graded arc in front with the various degrees marked. Polished parts are all Nickel Plated. A high grade guaranteed saw furnished Size No. 1, capacity at right angles 7½, capacity at the Miters 5 inches. Size No. 2, 2½ capacity, at right angles 10¼ inches, at Miter 7 inches.

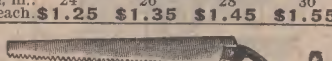
4-G-4901.	Size No. 1 with 24x4 inch saw.....	**$16.70**
4-G-4903.	Size No. 2 with 26x4 inch saw.....	**18.75**
4-G-4905.	Size No. 2½ with 28x5 saw.....	**20.70**
4-G-4907.	Size No. 2½ with 30x5 saw.....	**21.45**



Hand Ice Saw

4-G-4139. For wagon use. Extra crucible steel blade, fitted with iron handles. Each saw is properly tempered and fully guaranteed.

Length, in.	24	26	28	30
Price, each	$1.25	$1.35	$1.45	$1.55



Pond Ice Saw

4-G-4141. Superior quality. Made of the best crucible saw steel, properly tempered, tapering, 7 inches at the butt and 5 inches wide at the point. Fully warranted.

Length, feet	4	4½	5
Price, complete with tiller handle	$3.50	$3.80	$4.15

Adjustable Bench Stop

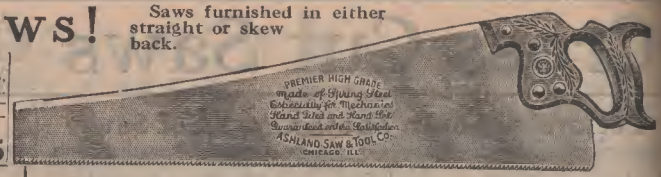
4-G-4153. Instantly adjustable to any position. Reversible head can be raised 2 inches above bench.
Price..... **88c**

Adjustable Bench Stop

4-G-4127. Reversible screw adjustment. Cast steel head. May be raised by means of adjusting screw.
Price..... **75c**

High Grade Hand Saws!

Saws furnished in either straight or skew back.



The blades are of special refined spring steel, perfectly tempered, full taper ground, thin back. The teeth are full beveled, hand filed and hand set and will hold a fast cutting edge. The handles are correct in shape, giving the proper hang. 26 and 28 inch saws have five brass screws and the smaller sizes have four.

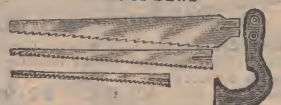
Nail Cutting Saw

4-G-4835. Will cut nails, pipes, bolts, soft sheet metal. Can be filed but does not require setting, being taper concave ground. Length of blade, 18 inches. Price..... **$2.45**

Jennings' Saw Kit

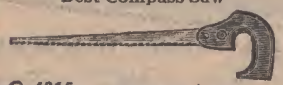
4-G-4837. Consists of one 14-inch nail cutting, one 14-inch compass blade, one 12-inch keyhole blade. Adjustable handle. Blades interchangeable. Price..... **$2.15**

Nest of Saws



4-G-4839. Consisting of one 14-inch panel saw, one 14-inch compass saw, one 12-inch keyhole saw. All interchangeable. Price..... **$1.05**

Best Compass Saw



4-G-4815. Thin back evenly tempered. Full bevel, filed and set. Beechwood handle, two screws.

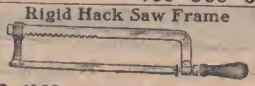
Length, inches	12	14	16
Price	45c	50c	60c

Common Compass Saw

4-G-4813. Made of good grade cast steel. Spring tempered, filed and set. Beechwood handles.

Length, inches	12	14
Price	20c	22c

Rigid Hack Saw Frame



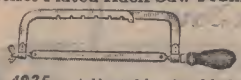
4-G-4953. Heavy steel nickel plated frame, adjustable to take blade from 6 to 12 inches. Price, with one 10-inch blade..... **$1.75**

Miter Box Saws

4-G-4913. Made from high grade tool steel, hand filed, set ready for use, heavy back. Width of blade under back, 4 inches.

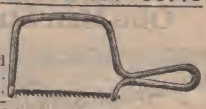
Length, in.	22	24	28
Price, each	$2.85	$3.05	$3.45

Nickel Plated Hack Saw Frame



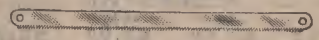
4-G-4935. Adjustable for blade at four angles, takes blades 8 to 12 inches. Price, each, complete with one 8-inch blade..... **39c**

Steel Frame Coping Saw



4-G-4817. Nickel-plated steel frame. Depth of cut, 4 inches. Complete with 13 6-inch tempered steel blades. Price..... **20c**

Hack Saw Blades

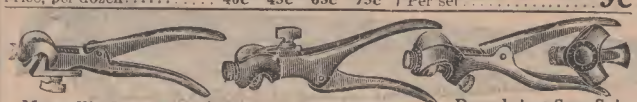


Fast cutting Hack Saw Blade, made of special high carbon steel, properly tempered and are guaranteed to give first-class satisfaction. Suitable for cutting tool steel and other metals.

4-G-4937. Length, ins...	8	9	10	12
Price, per dozen	40c	45c	63c	75c

Handy Kit of Tools

4-G-4931. Consisting of keyhole saw and pad, chisel, screw driver, two wrenches, awl, bit handle, Per set..... **9c**



Morrell's Saw Set

4-G-4919. Morrell's saw set for handle buck board and jig saw has hardened steel anvil plunger. Price..... **60c**

Improved Anvil Saw Set

4-G-4921. The anvil and plunger are hardened. The spring is of tempered steel, polished nickel-plated finish; weight, 10 ounces. Price, each..... **90c**

Revolving Saw Set

4-G-4923. Shows the required bevel and length of all saws ranging from 4 to 16 teeth to the inch. Figure on dial indicates number of teeth to the inch and always in sight. Price **$1.25**

Seavey Miter Box and Saw Guide

4-G-4911. Adjustable to cut square or at an angle of 22½, 30 and 45 degrees. Panel or hand saw may be used with this guide. Price, without saw..... **$2.80**

Adjustable Saw Filing Guide

4-G-4947. Used for filing saws with any style bench vise, can always be used in connection with the regular saw vise, adjustable to file at any angle any bevel and exact depth. Japanese finish. Price, complete, with file..... **$1.75**

Saw Filing Guide and Vise

4-G-4949. The ball and socket which connect the clamp to the vise permit the clamp to be turned in either direction. Jaws are 10½ inches rubber faced, which hold the saw firmly. Price..... **$2.90**

Perfection Pattern Miter Box

4-G-4909. A strong, serviceable, miter box. Saw guide can instantly be set at angle 22½, 30 and 45 degrees. Back saw, panel or hand saw can be used. Weight, 9 pounds. Price..... **$5.00**

Brass Saw Handle Screws

4-G-4841. Each..... 5c

4-G-4843. Each..... 7½c

Beechwood Saw Handles

4-G-4819. For hand and rip saws. Price, each..... **20c**

4-G-4821. For panel saws. Each **17c**

Premier Hand Saws

Premier Saws are hand made, hand smithed, hand blocked, hand filed and hand set. Every detail in the manufacture is perfect.

4-G-4801. Premier extra highg rade straight back, panel or hand saws.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12	$2.00
20 in. panel.	9, 10, 11 or 12	2.10
22 in. panel.	9, 10, 11 or 12	2.20
24 in. hand.	8, 9, 10 or 11	2.30
26 in. hand.	7, 8, 9, 10 or 11	2.45
28 in. hand.	6, 7 or 8	2.75

4-G-4803. Premier extra high grade straight back, rip saws.

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½	$2.30
26 in.	5, 5½ or 6	2.45
28 in.	4, 4½, 5, 5½ or 6	2.75
30 in.	4½ or 5	3.00

"Chicago Special" Hand Saws

The best general purpose saw ever offered. Made of high grade crucible saw steel, smithed and blocked by hand. Full taper ground, thin back. Teeth are full beveled, hand filed and hand set.

4-G-4805. Chicago Special panel or hand saws.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12	$1.80
20 in. panel.	9, 10, 11 or 12	1.90
22 in. panel.	9, 10, 11 or 12	2.00
24 in. hand.	8, 9, 10 or 11	2.10
26 in. hand.	7, 8, 9, 10 or 11	2.15
28 in. hand.	6, 7 or 8	2.40

4-G-4807. Chicago Special rip saws.

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½	$2.10
26 in.	5, 5½ or 6	2.15
28 in.	4, 4½, 5, 5½ or 6	2.40

Favorite Hand Saws

Made of good grade saw steel, set sharpened and ready for use. Hardwood handle, brass screws.

4-G-4809. Favorite panel or hand saws.

Length	Points to the inch	Each
22 in. panel.	10 or 12	$1.20
24 in. hand.	8, 9 or 10	1.30
26 in. hand.	8, 9 or 10	1.40

4-G-4811. Favorite rip saws.

Length	Points to the inch	Each
26 in.	5½ or 6	$1.40
28 in.	5, 5½ or 6	1.60

C. E. Jennings & Co.'s No. 70½ Narrow Blade Hand Saws

Ground thin on back and guaranteed to run without set.

4-G-4827. Jennings' No. 70½ panel or hand saws.

Length	Points to the inch	Each
22 in. panel.	10, 11 or 12	$3.35
24 in. hand.	8, 9 or 10	3.45
26 in. hand.	7, 8, 9 or 10	3.75

4-G-4829. Jennings' No. 70½ rip saws.

Length	Points to the inch	Each
26 in.	5 or 6	$3.75
28 in.	4½, 5, or 5½	4.00

Genuine Henry Disston Hand Saws

Disston "D" 8 hand hammered Saws. The best known popular brand saw on the market. Spring steel patent ground and tempered. Skew back, applewood handle.

4-G-4831. 26 in. Hand saw 8, 9 or 10 points. Price..... **$5.70**

4-G-4833. 28 in. Rip Saw, 5 or 5½ points. Price..... **$6.00**

Cross Cut Saw Tool

4-G-4945. Cross cut saw filer jointer tooth gauge cutting block, a tool that keeps cross cut saws in perfect condition. Price, with file and directions..... **38c**

Saw Jointer and Skate Sharpener

4-G-4917. Adjustable to any thickness, saw blade can be used with any file. Price, each..... **50c**

Adjustable Saw Vise

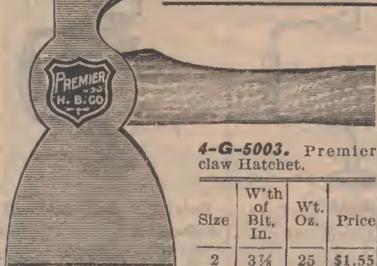
4-G-4925. For attachment to work bench this vise has a malleable iron screw clamp and lever and cam to hold it in position. Width of jaws, 9½ inches. Japanned finish. Weight, ½ pounds. Price..... **$1.00**

Ball and Socket Saw Vise

4-G-4941. The reliable ball and socket saw vise is adjustable with bench clamp and can be set at any angle. Length of jaws, 9¼ inches. Japanned finish. Weight, 9 pounds. Price, each.... **$1.59**

Dependable Tools

Strictly first quality, guaranteed to be perfect in material, workmanship and finish, and to give absolute satisfaction. Especially adapted for mechanics' use; forged from high grade steel, carefully tempered. Handles are selected white hickory, properly balanced and shaped.



4-G-5003. Premier claw Hatchet.

Size	W'th of Bit, In.	Wt. Oz.	Price
2	3⅞	25	$1.55

4-G-5001. Premier Shingling Hatchets.

Size...	1	2	3
Width of Bit, Inch..	3½	3⅞	4½
Wt., Oz....	17	23	29
Price	1.25	1.30	1.37

4-G-5007

Premier High Grade Lathing Hatchets.

No.	In.	wt. oz.	
Size 1	2½	14	$1.25
Size 2	2¾	17	1.30

4-G-5011. Premier Special Bell Poll Shingling Hatchet.

Size..........1
Width of Bit..3 in.
Weight......17 oz.
Price........$1.60

Premier Special Underhill Pattern Lathing Hatchet.

4-G-5029

Forged from extra tool steel, properly tempered, full polished. Width of bit, 2 in. Weight, not including handle, 15 oz. Price.....**$2.35**

4-G-5013

Premier Bell Poll Half Hatchet.

Size 2
Wd. of Bit 2½ in.
Weight....17 oz.
Price......$1.50

4-G-5009

Premier Broad Hatchet.

No.	In.	wt.	Price
2	4½	1¾	$1.75
3	5	2½	2.00
4	5½	2¾	2.20
5	6	3	2.40

Broadaxes

4-G-5127 Round corner Canada pattern Broadaxes. Made of high grade steel, properly proportioned. Ready for use. Handles not included.

Wt., lbs.	6	7	7½	8
Wt., cut in.....	10½	11½	12	12½
Each..	$6.36	6.66	6.90	7.02

Carpenters' Adzes

4-G-5025

Forged from high grade steel. Has fine cutting edge, properly tempered. Handles not included.

Weight	Width	Cut
Lbs... 3¼	3½	3¾
In.... 3½	4	4½
Price $1.80	$1.80	$1.80

Woodchoppers' Wedges

4-G-5129

Regular pattern made from high grade steel, oil finished.

Wt., lbs. 4 5
Price....35c 43c

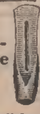
Malleable Iron Axe Wedge

4-G-5121

Made with a screw, which prevents handle from pulling out.

Price, each.......**3c**

Truckes Pattern Woodchoppers' Wedge



4-G-5131 Made of the highest grade crucible steel, oil finished.

Wt. Lbs.	Price
4	40c
6	57c
8	76c

Saw Wedges

4-G-5133

Tool steel, oil finished. Wt., lbs., 1½. Price...**13c**

Adjustable Plane Gauge

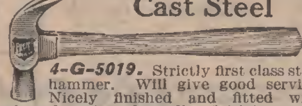
4-G-5279. For Planing Bevels of any angle or square joints, without use of a tri-square or bevel. Can be quickly attached or removed. Price..........**$1.10**

Oregon Pattern Mauls

4-G-5135

Wt. Lbs.	Price
5	$0.77
6	.92
7	1.07
8	1.23

Cast Steel



4-G-5019. Strictly first class steel hammer. Will give good service. Nicely finished and fitted with selected hardwood handle. Weight, 16 oz. Price..................**37c**

Holding Hammer

4-G-5035. With groove on side to hold nails size 10 penny and smaller. Made of the highest crucible steel and properly tempered. Second growth hickory handles properly fitted and wedged to head. Fully guaranteed. Weight, 19 ounces, not including handles. Price.........................**$1.67**

Bell Face

4-G-5037. Made of high grade crucible steel, properly tempered, with second growth hickory handle, properly fitted and wedged to head. Every hammer fully guaranteed.

Weight..	20 oz.	16 oz.	13 oz.	7 oz.
Price....	$1.15	$1.10	$1.05	$1.00

Nail Hammer

4-G-5033. Forged from extra tool steel, carefully tempered. Octagon poll, full nickel plated finish. Carefully selected handles.

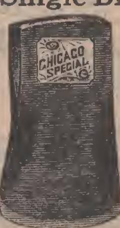
Size....................	1	1½
Wt., not including handle, lbs.	1¼	1
Price....................	$1.60	$1.55

Ever Ready Handled Axles

4-G-5115. Ever Ready axes are carefully forged, properly shaped and finished in a superior manner. Handles are hickory stained, properly fitted to axe. A better axe at a lower price than ever before offered. Each and every axe guaranteed.

Weight..................	3 lbs.	3½ lbs.	4 lbs.	4½ lbs.
Price....................	$2.20	$2.25	$2.30	$2.35

Single Bit Axes

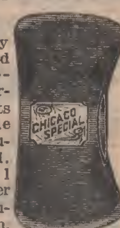


4-G-5111 The best axe offered for all ordinary purposes. Forged from good grade of steel. Michigan pattern.

Weight	Price
3 lbs.	$1.68
3½ lbs.	1.74
4 lbs.	1.80
4½ lbs.	1.86
5 lbs.	1.92

Double Bit Axes

4-G-5117 Strictly hand forged and properly proportioned. Bits are double refined crucible steel. Natural forge temper finish. Michigan pattern.

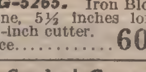


Weight	Price
3 lbs.	$2.34
4 lbs.	2.40
4½ lbs.	2.46
5 lbs.	2.52

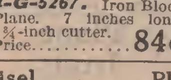
Iron Block Planes

4-G-5273. Double End Iron Block Plane. With two slots and two seats for cutter. Length, 8 inches, 1¾ inch cutter. Price...**$1.20**

4-G-5313. Selected beechwood Fore Plane Handles. Price, each...**18c**

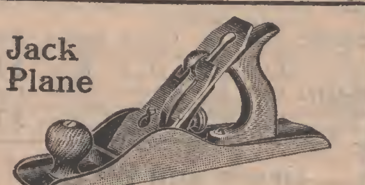


4-G-5265. Iron Block Plane, 5½ inches long, 1¼-inch cutter. Price............**60c**



4-G-5267. Iron Block Plane. 7 inches long, 1¾-inch cutter. Price............**84c**

Jack Plane



The castings are made of special gray iron. The bottoms of the planes are as smooth. The cutters are made of the highest grade steel. Fitted with an adjusting lever. Handles and knobs are genuine mahogany. Smooth bottom iron jack plane 14 inches long, 2-inch cutter.

4-G-5260..................**$3.00**
4-G-5262 Corrugated bottom.........**$3.10**

4-G-5311

Selected beechwood jack pine handles. Price, each **12c**

Iron Block Planes

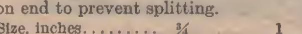
Adjustable iron smooth plane, 9 inches long, 2-inch cutter.

4-G-5201. Smooth bottom. Price..........**$2.50**
4-G-5203. Corrugated bottom. Price....................**$2.60**

4-G-5277. Knuckle Joint Improved Throat Adjustment. 6¼ inches long, 1¾-inch cutter. Price...........**$1.85**

4-G-5271. Adjustable Block Plane. 7 inches long, 1¼-inch cutter. Price..**$1.25**

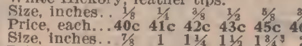
Socket Corner Chisel



4-G-5617. Properly tempered; selected Hickory handles, with iron ring on end to prevent splitting.

Size, inches.........	¾	1
Price, each..........	80c	86c

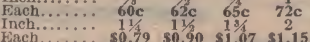
Plain Edge Chisel



4-G-5607. Made of special high grade steel, carefully tempered. Handles White Hickory, leather tips.

Size, inches..	⅛	¼	⅜	½	⅝	¾
Price, each...	40c	41c	42c	43c	45c	46c
Size, inches..	⅞	1	1¼	1½	1¾	2
Price, each...	51c	52c	56c	59c	75c	89c

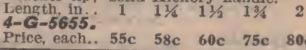
Beveled Edge Socket Framing Chisel



4-G-5609. Crucible Steel; tempered. Hickory handle with iron rings.

Inch........	⅜	½	¾	1
Each.......	60c	62c	65c	72c
Inch........	1¼	1½	1¾	2
Each.......	$0.79	$0.90	$1.07	$1.15

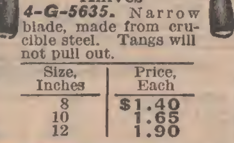
High Grade Socket Butt Chisels



Length of blade, about 3½ inches. Leather tip; solid Hickory handle.

Length, in..	1	1¼	1½	1¾	2
4-G-5655. Price, each..	55c	58c	60c	75c	80c

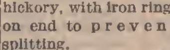
Coach Makers' Knives



4-G-5635. Narrow blade, made from crucible steel. Tangs will not pull out.

Size, Inches	Price, Each
8	$1.40
10	1.65
12	1.90

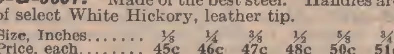
Chisel Handles



4-G-5643. Selected hickory, with iron rings on end to prevent splitting.

Price, each........**5c**

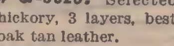
High Grade Beveled Edge Leather Tip Socket Firmer Chisel



4-G-5601. Made of the best steel. Handles are of select White Hickory, leather tip.

Size, Inches.......	⅛	¼	⅜	½	⅝	¾
Price, each........	45c	46c	47c	48c	50c	51c
Size, Inches.......	⅞	1	1¼	1½	1¾	2
Price. each........	57c	58c	62c	65c	69c	86c

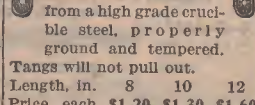
Chisel Handles



4-G-5625. Selected hickory, 3 layers, best oak tan leather.

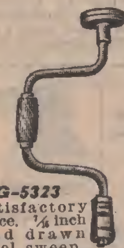
Price, each........**6c**

Drawing Knives



4-G-5651. Made from a high grade crucible steel, properly ground and tempered. Tangs will not pull out.

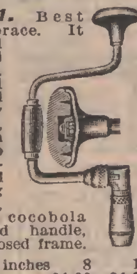
Length, in.	8	10	12
Price, each	$1.20	$1.30	$1.60



4-G-5323 Satisfactory brace. 1/4 inch cold drawn steel sweep, natural finish. Nicely polished head and handle.

Sweep	Price
8 inches	75c
10 inches	80c

Ball Bearing Ratchet Bit Brace



4-G-5331. Best ratchet brace. It has solid steel chucks. Hardened jaws. Will hold any size shank, ½-inch steel sweep nickel-plated ball bearing head, polished cocobola head and handle, steel enclosed frame.

Sweep, in inches	8	10
Price	$4.00	$4.10
Sweep, in inches	12	14
Price	$4.20	$4.30

Ship Auger Bits

4-G-5449. For boring hardwoods and end boring. Made of double refined steel, finely finished. Have 4 to 6 inch twists.

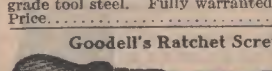
Size, inches	5/16	9/16	11/16	
Price, each	30c	36c	45c	
Size, inches	3/4	13/16	7/8	15/16
Price, each	48c	50c	55c	57c

Car Bits

4-G-5451. For boring heavy timbers. Length of twist, 12 inches.

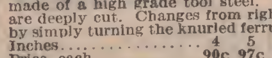
Size, inches	1/4	13/16	3/8	7/16	1/2	
Price, each	31c	33c	35c	37c	39c	
Size, inches	9/16	3/4	13/16	7/8	15/16	1
Price, each	43c	55c	60c	65c	70c	75c

Countershank Gauge Bit



4-G-5533 To regulate depth of cut. For wood only. High grade tool steel. Fully warranted. Price........ **32c**

Goodell's Ratchet Screw Driver



4-G-5557 Blades, dogs and spring made of a high grade tool steel. The ratchet teeth are deeply cut. Changes from right to left are made by simply turning the knurled ferrule. Length, blade,

Inches	4	5	6	8	10
Price, each	90c	97c	$1.00	$1.10	$1.25

Pratt's Ratchet Drill

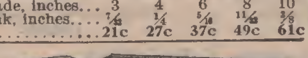
4-G-5341 Used as an auger handle in horizontal position. For use in close places. One handle can be removed and placed at right angles. Can also be used as a ratchet drill. Price, each........ **$3.25**

Drill attachment for Goodell's Interchangeable Screwdrivers.

4-G-5553. Fitting Automatic Screwdriver, No. 4-G-5549. Price, for chuck and eight drill points........ **85c**

4-G-5555. Fitting Reversible Screwdriver, No. 4-G-5551. Price, for chuck and eight drill points........ **85c**

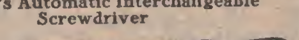
Indestructible Square Shank Screwdriver



4-G-5543 Squareshank for use with wrench. Blade, shank and head are forged from a solid piece of high grade tool steel. Handles hardwood.

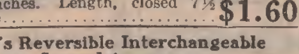
Length of blade, inches	3	4	6	8	10
Size, sq. shank, inches	7/32	1/4	5/16	11/32	3/8
Price, each	21c	27c	37c	49c	61c

Square Reamer Bits



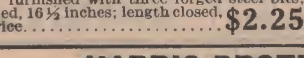
4-G-5537. Cast steel, properly tempered and ground. Price........ **22c**

Goodell's Automatic Interchangeable Screwdriver



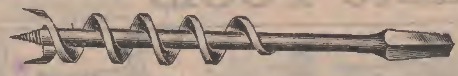
4-G-5549 Can be used as a spiral ratchet or plain screwdriver. Furnished with three forged steel bits. Hardwood handle. Length extended 14 inches. Length, closed 7½ inches. Price........ **$1.60**

Goodell's Reversible Interchangeable Screwdriver •



4-G-5551 With two distinct spirals. Hardwood handle, furnished with three forged steel bits; length extended, 16½ inches; length closed, 9 inches. Price........ **$2.25**

Jennings' Extension Lip Bits



4-G-5433. Jennings' Solid Center Extension Lip Auger Bits. Solid Center Auger Bits. Hand forged from double refined crucible steel, full length of twist.

Size, inches		1/4	15/16	3/8	7/16	1/2	9/16
Price, each		47c	49c	50c	52c	55c	57c
Size, inches	5/8	11/16	3/4	13/16	7/8	15/16	1
Price, each	60c	67c	70c	78c	80c	89c	90c

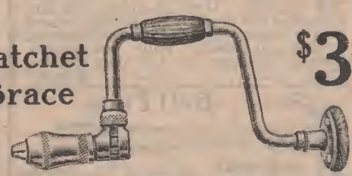
4-G-5425. Best Jennings' Pattern Extension Lip Auger Bit. Properly tempered, full length of twist. Lips are carefully forged and sharpened.

Size, inches	1/4	5/16	3/8	7/16	1/2	9/16	5/8
Price, each	39c	40c	41c	42c	45c	47c	50c
Size, inches	11/16	3/4	13/16	7/8	15/16	1	
Price, each	55c	57c	64c	65c	72c	75c	

4-G-5441. For rapid and easy boring in the toughest hardwoods. Tempered and finished in the finest manner.

Size, inches		1/4	5/16	3/8	7/16	1/2	9/16
Price, each		49c	51c	52c	54c	56c	59c
Size, inches	5/8	11/16	3/4	13/16	7/8	15/16	1
Price, each	62c	69c	72c	80c	82c	91c	92c

Ratchet Brace

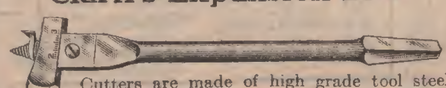


$3.75

4-G-5337. Ball bearing dust-proof head. Machine made thruout. Cold drawn steel sweep. All metal parts highly polished and heavily nickel plated and nicely finished throughout. Cocobola head and handle with improved metal capped head. Forged alligator spring jaws. Will take square or round shank drills.

Sweep, inches	8	10	12
Price	$3.75	$3.80	$3.95

Clark's Expansion Bits

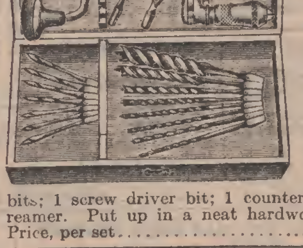


Cutters are made of high grade tool steel properly tempered.

4-G-5509. Small size Clark's Pattern Expansion Bit. With two cutters, one boring from ½ to ⅞ in., the other from ⅞ to 1½ in. Price... **$1.35**

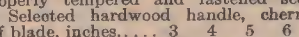
4-G-5511. Large size Clark's Pattern Expansion Bit. With two cutters, one boring from ⅞ to 1¾ in., the other from 1¾ to 3 ins. Price. **$1.95**

Brace and Bit Set



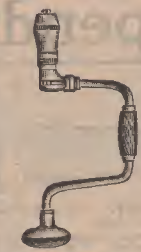
4-G-5343. A first class outfit that will answer all general requirements for form, shop and mechanics' use, consisting of one 10 inch nickel-plated ratchet brace with alligator jaws; 8 Jennings' pattern extension lip auger bits, sizes ¼ to 1 inch; 3 bit stock drills, 3 German pattern gimlet-bits; 1 screw driver bit; 1 countersink and 1 square reamer. Put up in a neat hardwood box. Price, per set........ **$9.95**

Champion Screw Driver



4-G-5545. Blades are forged from the highest grade steel, properly tempered and fastened securely in handle. Selected hardwood handle, cherry finish.

Length of blade, inches	3	4	5	6	8	10
Price, each	27c	28c	30c	35c	45c	56c

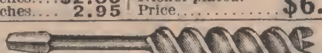


4-G-5329. Ratchet brace. Metal clad head, cold drawn steel sweep. Ebonized hardwood head and handle. Nickel plated.

Sweep	Price
10 inches	$2.85
12 inches	2.95

Ratchet Brace and Drill

4-G-5315. Ball bearing head and forged steel jaws. Will hold straight, round shank drills. By removing the hand drill attachment you have a fine ball bearing ratchet brace 10 in. sweep. Nickel plated. Price........ **$6.25**



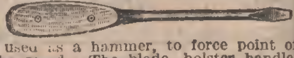
Common Auger Bits

4-G-5401. Spur Standard.

Size, inches	1/4	5/16	3/8	7/16	
Price, each	27c	28c	29c	30c	
Size, inches	1/2	9/16	5/8	11/16	
Price, each	31c	36c	37c	38c	
Size, inches	3/4	13/16	7/8	15/16	1
Price, each	40c	44c	45c	50c	53c

Countershank & Dowel Pointer

4-G-5523 Reversible head. Can be used for sharpening pins or dowels. Cutter made of high grade tool steel. Price, each........ **15c**



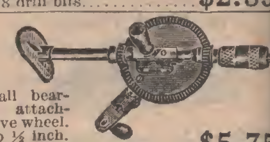
4-G-5541 The only screw driver that can be used as a hammer, to force point of screw into the wood. The blade, bolster handle, flattened hammer hand are drop forged from one piece of steel.

Length of blade, inches	4	6	8	10
Price, each	29c	40c	54c	68c

Hand Drill

4-G-5457 Strong Malleable frame, Steel spindle, cut gears and hollow cut cocobola handle containing 8 drill points, 1/16 to 11/64 inch. A strong, durable tool, nicely finished. Length 10½ inches. Price, including 8 drill bits........ **$2.85**

Breast Drill



4-G-5333. Ball bearing with level attachment. 6 inch drive wheel. Drills from ⅛ to ½ inch. Price........ **$5.75**

Ball Bearing Breast Drill

4-G-5317 Malleable frame changeable gear from even to speeded about 3 to 1 with level attachments. Drill bits up to 3 inches. Price.. **$4.50**

Plane Irons

Made of high grade steel. All double irons have steel caps.

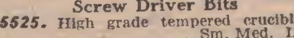
4-G-5301. All iron and wood bottom planes. Single Irons.

Width, in inches	2	2⅛	2⅜	2⅝
Price	25c	27c	32c	35c

Screw Driver Bits

4-G-5525. High grade tempered crucible steel.

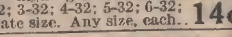
Size	Sm.	Med.	Lge.	Ex.
Price	17c	18c	19c	20c



German Gimlet Bits

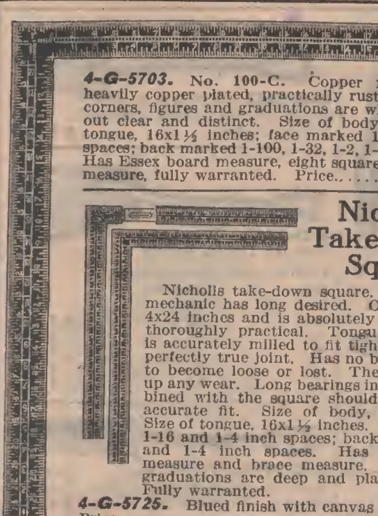
4-G-5559. Special high grade steel, properly tempered. Size, 2-32; 3-32; 4-32; 5-32; 6-32; 7-32; 8-32; 10-32. State size. Any size, each.. **14c**

Champion Screw Driver



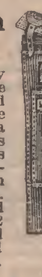
4-G-5547. High grade crucible steel. Selected hardwood handles, steel ferrules.

Length blade, Inches	10	12
Price, each	20c	49c



Carpenters' Squares

4-G-5703. No. 100-C. Copper finished steel square, heavily copper plated, practically rust-proof; hardened steel corners, figures and graduations are white enamel and stand out clear and distinct. Size of body, 24x2 inches; size of tongue, 16x1½ inches; face marked 1-16, ⅛ and ¼ inch spaces; back marked 1-100, 1-32, 1-2, 1-10 and 1-4 inch spaces. Has Essex board measure, eight square and brace measure, fully warranted. Price.................. **$2.35**



Nicholls Take-Down Square

Nicholls take-down square. What every mechanic has long desired. Occupies space 4x24 inches and is absolutely accurate and thoroughly practical. Tongue and groove is accurately milled to fit tight and make a perfectly true joint. Has no bolts or screws to become loose or lost. The spring takes up any wear. Long bearings in grooves combined with the square shoulders insure an accurate fit. Size of body, 24x2 inches. Size of tongue, 16x1½ inches. Face marked 1-16 and 1-4 inch spaces; back marked 1-12 and 1-4 inch spaces. Has Essex board measure and brace measure. Figures and graduations are deep and plainly marked. Fully warranted.

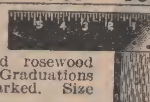
4-G-5725. Blued finish with canvas case. Price.................. **$3.90**

4-G-5727. Polished finish with canvas case. Price.................. **$3.50**

Metal Try Squares

4-G-5743. A first class tool at a moderate price. Steel blade, graduations accurately marked. Nickel-plated iron handles, fully warranted. Size represents length of blade.

Size, inches	6	8	10	12
Price, each	50c	56c	75c	90c



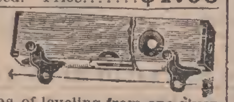
Combined Try and Miter Square

4-G-5741. Brass lined rosewood handle, steel blade. Graduations plainly and accurately marked. Size represents length of blade.

Size, inches	4½	6	7½	9
Price, each	32c	52c	69c	75c

Plumb and Level

4-G-5715. Brass arch top plate, two side views, proved glasses. Fully warranted. Lengths, 26, 28 and 30 inches. State length wanted. Price....... **$1.05**



Level Sights

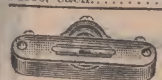
4-G-5757. Can be readily attached to any wood level with which the user has accurate means of leveling from one given point to another at a long distance. Price, per pair.................. **85c**

4-G-5758. Level sights for iron levels. Price, per pair.................. **75c**

Sliding "T" Bevels

4-G-5745. Brass tipped, solid rosewood handle. For right or left hand use.

Length, inches	6	8	10	12
Price, each	30c	45c	48c	55c



Pocket Level

4-G-5737. Can be readily attached to steel square or straight edge. Iron body, brass top plate, proved glasses. Warranted true. Price.............. **15c**

Extension Sight and Plumb Level

4-G-5731. When not in use the sights are depressed flush with the surface of the level and raised into position by merely pressing the button. Heavy brass ends. Length, 28 inches. Price......... **$3.10**

Steel Measuring Tape

4-G-5835. Will not stretch. Hard leather case, securely stitched. Handle folds flush with case. Marked in feet, inches and 8ths of inches.

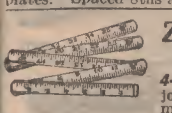
Length, feet	50	100
Price, each	$5.00	$8.50

Oxidized Copper Finish Squares

4-G-5701. No. 100 R. O. C. Oxidized copper finished square. The graduations and figures are white enamel. Rust-resisting finish. Has hardened corners. Body, 24x2 inches; size of tongue, 16x1½ inches. 1-16, 1-8 and 1-4 spaces; on back, 1-32, 1-12 and 1-10 spaces. Has brace measure eight square, 1-100 scale and rafter table. Price.................. **$2.75**

3 Foot 4 Folds

4-G-5815. Arched joints, middle plates. Spaced 8ths and 16ths...... **50c**



Zig Zag Folding Rules

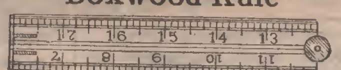
4-G-5821. Spring joints, Yellow finish, metal tips.

Length, feet	3	4	5	6
Price	20c	27c	33c	45c

Six-Inch Two-Fold Caliper Rule

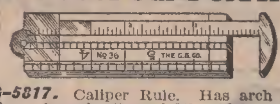
4-G-5819. Square joint. Spaced 8ths, 10ths, 12ths and 16ths. Width, ⅞ inch. Price............ **29c**

Two-Foot Four-Fold Boxwood Rule



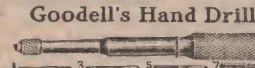
4-G-5801. Round Joint and Middle Plates. Spaced 8ths and 16ths. Price.. **18c**

One-Foot Four-Fold Rule



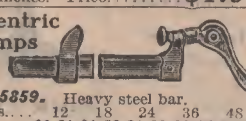
4-G-5817. Caliper Rule. Has arch joint, full brass bound. Spaced 8ths, 10ths, 12ths and 16ths. Price.............. **60c**

Goodell's Hand Drill



4-G-5853. Handle and Chuck Knurled. Nickel plated. Drill points in separate hollow handle. Drill points cannot be pulled out. Price includes 8 drill points 1-16 to 11-64th inch. Length, 10½ inches. Price......... **$1.95**

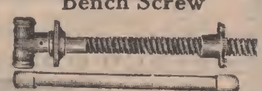
Eccentric Clamps



4-G-5859. Heavy steel bar.

Inches	12	18	24	36	48
Price	$1.26	$1.58	$1.80	$2.25	$2.70

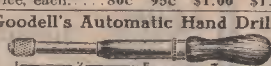
Bench Screw



4-G-5847. Lathe cut threads, movable collars, hardwood handles.

Diam., ins.	1	1⅛	1¼	1½
Length, ins.	16	16	17	19
Price, each	80c	95c	$1.00	$1.50

Goodell's Automatic Hand Drill



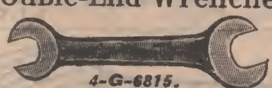
4-G-5861. Nickel plated. Length, 10 inches; drill points, from 1/16 to 11/16 inch. Price.......... **$1.60**

4-G-5869. Cabinet Makers' Clamp Attachment. Will fit wood bar 1⅜x2½ inches. Fitted with ⅝ inch screw and crank handle. Price, without bar, each............ **$1.05**

4-G-5867. Has heavy "T" shaped steel bar. Size, 1½ by ¾ inches.

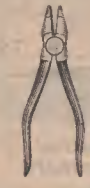
Opens, feet	2½	3	4	5
Price, pair	$3.90	$4.00	$4.40	$5.00

Double-End Wrenches



4-G-6815.

Size No.	Size Bolts of U. S. Stand. Nut	Extreme Length	Price, Each
23	3/16 to ¼	4	$0.13
25	¼ to 5/16	4⅞	.16
26	¼ to ⅜	5⅞	.20
27	5/16 to ⅜	5⅞	.21
29	⅜ to 7/16	6⅞	.24
30	⅜ to ½	7¾	.28
31	7/16 to ½	7¾	.29
34	½ to ⅝	9¾	.43
37	⅝ to ¾	11⅜	.62
38	⅝ to ⅞	13½	.95
39	¾ to ⅞	13½	.97
40	¾ to 1	15½	1.32
41	⅞ to 1	15½	1.32



Drop Forged Pliers

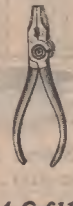
4-G-6137

Perfection side cutting pliers. Raised cutting edges. Price, per pair, 6 ins. **80c**

Gas Pliers

4-G-6113

Best grade drop forged gas pliers. Carefully tempered and fitted with polished jaws.
Price, per pair:
7 inches.... **25c**
8 inches.... **30c**



4-G-6119

Utility Wire Cutting Pliers, made of good quality steel and nicely polished. Price, 5½ inches, **12c**

4-G-6129

Flat Nose Pliers, forged from crucible steel, nicely finished.
4 inches.. **8c**
5 inches.. **10c**

4-G-6111

A standard Button Plier, drop forged. Has 2 cutters.
6 inches.. **54c**
8 inches.. **68c**
10 ins.. **88c**

4-G-6103

Combination Fencing Pliers; combines all tools — hammer, staple puller, wire pliers. Price:
10 ins... **$1.25**

4-G-6109

Combination Pliers, wire cutter, screw driver and wrench. Nickel plated.
6½ ins... **25c**

"S" Wrenches

Stand. Nut Size Bolt	Size of Opening	Extreme Length	Price, Each
3/16 and ¼	⅜ and ½	6¼	17c
¼ and 5/16	½ and ⅝	7⅛	22c
5/16 and ⅜	⅝ and ¾	8¼	27c
⅜ and 7/16	¾ and ⅞	9¼	36c
7/16 and ½	⅞ and 1	10⅜	47c

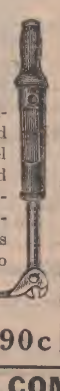
4-G-6819. Price, per set of five wrenches.................. **$2.50**

Tubular Rivets

4-G-6151. Put up in one size only, 100 in a package. Price, per box:

⅛ inch....20c	½ inch....31c
¼ inch....23c	9/16 inch....33c
5/16 inch....25c	⅝ inch....35c
⅜ inch....27c	11/16 inch....39c
7/16 inch....29c	¾ inch....39c

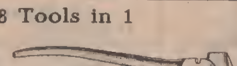
Nail Puller



4-G-6125.

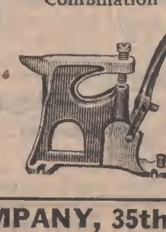
This nail puller has forged tempered steel jaws, hardened and oil tempered. A splendid tool. Gets the nails out so that they can be used again.
Price, each.... **90c**

8 Tools in 1



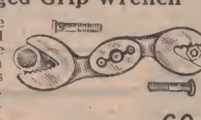
4-G-6101. 8 tools in 1. Staple Puller, Wire Cutter, Hammer, Pincers, Wrench, Wire-Tier, Wire Stretcher, Pipe Grip. Length, 10 inches. Price... **$1.30**

Combination Punch and Riveter



4-G-6141. Punches or rivets on the downward stroke. A good substantial tool, made of the toughest grade iron, tempered steel punches, adjustable rivet set for tubular or split rivets, with hand finish or polished handle. Price, Each..... **$1.05**

Drop Forged Grip Wrench



4-G-6835. Made of tool steel. Will grip any surface from ¼ to 1 inch in diameter. Has 3 dies in center. Will rethread bolts, sizes 5/16, ⅜ and ½. Price, each.......................... **60c**

Handy Lever Riveter

4-G-6147. For tubular rivets only. The screw is on the lever; pull down the lever—the hole is punched and the rivet is clinched. Both done in one operation. Price, each.......................... **50c**

4-G-7401. "D" handle Square Point Shovel. Plain back, full polished. Size 9¾x12 inches................. **$1.05**

4-G-7405. "D" Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches................. **$1.05**

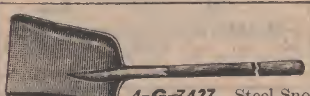
4-G-7409. "D" Handle Coal Shovel. Hollow back. Natural Forged Finish.

Size, ins.	13½x14	14¼x14½	14¾x15½
Price...	**$1.20**	**$1.25**	**$1.30**

4-G-7413. Ditching or Tiling Spade. Specially adapted for mucky and sticky soil. Fully warranted. Size, 6x18 inches............. **$3.45**

4-G-7419. Long Handle Square Point Shovel. Plain back, full polished. Size, 9¾x12 inches........... **$1.05**

4-G-7423. Long Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches........... **$1.05**

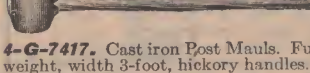


4-G-7427. Steel Snow Shovel. Long Handle. Light, strong and durable. Makes an excellent general purpose shovel. Superior quality. Fully warranted................. **80c**

4-G-7433. Spading Fork. For handling and screening dirt from potatoes, heavy beets and other vegetables. Special crucible steel tines. Plain Ferrules................. **95c**

4-G-7437. Square Point Shovel. Best crucible steel, solid socket, full polished blade, 9¾x12 inches.......... **$2.50**

4-G-7441. Long Handle, Round Point. Best crucible steel, solid socket, full polished blade, 9¾x12 inches.. **$2.50**



4-G-7417. Cast iron Post Mauls. Full weight, width 3-foot, hickory handles.

Weight, lbs..	10	13	16	18	20
Price........	60c	78c	96c	$1.08	$1.20

Eureka Post-Hole Diggers

4-G-7445. Nothing better of its kind made. 9-inch cast steel blade, properly tempered, malleable iron shank, selected split, hardwood handles. Length, 5 feet, weight, about 9 lbs...... **$1.45**

Invincible Post-Hole Digger

4-G-7447. Blade and shanks are drop forged from one solid piece of steel. Length of blade, 9 inches. Fitted with selected hardwood handles. Length, 5 feet. Weight, about 9½ lbs. **$1.40**

Extra Broad Leather Handle Trowels

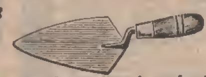
4-G-6221

Hammered from solid bar crucible cast steel, carefully tempered and properly ground. 11-inch size is about 6 inches wide; other sizes in proportion.

Size, inches..	10	10½	11
Price, each..	**$1.40**	**$1.47**	**$1.50**

Philadelphia Pattern Trowel

4-G-6223



Hammered from solid bar crucible steel, properly tempered tapering from heel to point. Ground smooth. Best trowel of its kind made.

Size, inches	10	10½	11
Price, each.	**$1.05**	**$1.10**	**$1.15**

Philadelphia Standard Trowel

4-G-6219

Made of high grade steel, well finished, properly shaped and fully guaranteed.

Size, inches..........	10	10½	11
Price, each...........	**77c**	**80c**	**83c**

Pointing Trowel

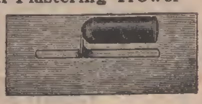
4-G-6259

Hammered from a solid bar best quality cast steel. Properly tempered and accurately ground.

Size, inches.........	4	5	6
Price, each.........	**32c**	**34c**	**37c**

Cincinnati Plastering Trowel

4-G-6261



Guaranteed to suit the most critical workman. Hammered from a solid bar highest crucible steel, tempered tough and hard. Accurately ground.

Size, inches..	10½	11	12
Price, each..	**$1.31**	**$1.37**	**$1.47**

Standard Plastering Trowel

4-G-6263

High grade crucible steel. Properly tempered and nicely finished. Fully guaranteed.

Size, inches......	10	10½	11
Price, each.......	**70c**	**75c**	**80c**

Brick Hammer

4-G-6257 Forged from high grade tool steel, tempered and properly balanced. Guaranteed to be strictly first class. Wt., of hammer, 2 lbs. Fitted with 12-inch selected handle. Price..... **$1.20**

Single Face Double Face

Spaulding Hammers

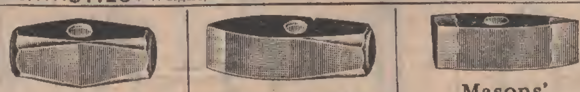
Solid cast steel. Polished faces. Handles not included. Either single or double face, same price.

4-G-6213. Single Face.
4-G-6215. Double Face.

Weight, 4 lbs.	Each.......	**$0.68**
Weight, 5 lbs.	Each.......	**.70**
Weight, 6 lbs.	Each.......	**.78**
Weight, 7 lbs.	Each.......	**.98**
Weight, 10 lbs.	Each.......	**1.30**

Brick Chisel

4-G-6255. Solid cast steel. ⅞-inch octagon handle, 4-inch blade. Price....... **70c**



Striking or Drilling Hammer

4-G-6217. Solid cast steel. Polished faces. Handles not included.

Wt., 4½ lbs.	Each	**$0.63**
Wt., 5 lbs.	Each	**.58**
Wt., 6 lbs.	Each	**.69**
Wt., 8 lbs.	Each	**.92**
Wt., 9 lbs.	Each	**1.04**

Stone Sledges

4-G-6251. Solid cast steel. Polished faces. Handles not included.

Weight	Each
8 lbs.........	**$0.92**
10 lbs.........	**1.15**
12 lbs.........	**1.38**
14 lbs.........	**1.61**

Masons' Hammers

4-G-6253. Finest tool steel, properly tempered. Bronzed finish, polished edge and face. Handle not included.

Wt., 3½ lbs.	Each	**$0.78**
Wt., 4 lbs.	Each	**.90**
Wt., 4½ lbs.	Each	**1.00**

4-G-7453.

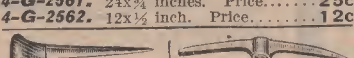
Iwan's Post-hole Auger. Works easy and more rapidly than any auger made. Lengths, from 4 to 6 feet, depending on diameter of auger.

Size inches	Price each
6......	**$2.10**
8......	**2.30**
9......	**2.48**
10......	**2.80**

Wrecking Bars

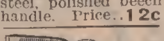
Drop forged, ¾ inch octagon steel, claw on one end and wedge points on other. Length 30 inches. shipping weight, 5 lbs.

4-G-2560. Price, each................. **30c**
4-G-2561. 24x¾ inches. Price....... **25c**
4-G-2562. 12x½ inch. Price........ **12c**



4-G-6040. Socket Scratch Awl. Tool steel, polished beech handle. Price.. **12c**

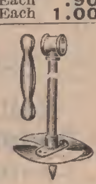
4-G-7461. Railroad picks, cast steel, nicely finished. Weight, 5 to 6 lbs........... **67c**



4-G-7463. Cast steel adze, eye, long cutter. Weight, 5 to 6 lbs. Price... **80c**
4-G-7465. Short cutter mattock, wt., 4½ lbs. Price. **78c**

4-G-7467. Drift pick cast steel.

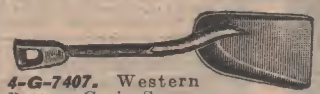
Wt., lbs...	4	4½	5
Price.....	63c	68c	73c



Vaughn's Post-Hole Augers

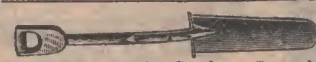
4-G-7455. Solid steel blades which can be replaced if they become broken. Height, 44 ins., wt., about 7 lbs. Size, 6 ins. Price... **75c**

4-G-7403. Round Point Shovel. Full polished. Size, 9¾x12 inches................. **$1.05**

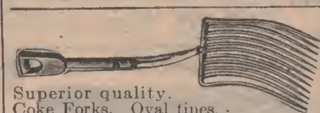


4-G-7407. Western Pattern Grain Scoop. Hollow back. Full polished.

Size No.	Length Ins.	Price Each
6	16½	**$1.46**
7	17	**1.50**
8	17½	**1.55**
9	18	**1.60**
10	19	**1.65**

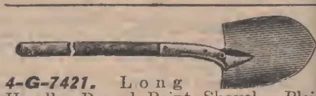


4-G-7411. Drain Spade. Strongly made to stand rough usage. Length, 18 inch. Full polished. Price.. **$1.60**

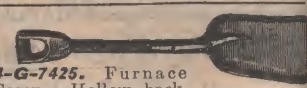


Superior quality. Coke Forks. Oval tines.

4-G-7415. 10 tines, 16¾ inches long. 14¼ inches wide. Price...... **$2.20**
4-G-7416. 12 tines, 17½ inches long. 17½ inches wide. Price...... **$2.60**



4-G-7421. Long Handle, Round Point Shovel. Plain back, full polished. Size, 9¾ x 12 inches....................... **$1.05**

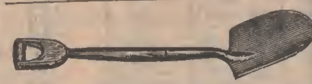


4-G-7425. Furnace Scoop. Hollow back, black finish. Size, 9x14 inches... **80c**

4-G-7429. Post Hole Spade. Strongly constructed. Full polished. Concave blade, 6 inches at point, length, 18 inches. Price.............. **$1.60**

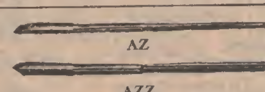
4-G-7435. Scoop Fork. Special crucible steel tines.

8 tines, 11 in. wide, 14 in. long	**$1.75**
10 tines, 14 in. wide, 15 in. long	**2.25**
12 tines, 18 in. wide, 16 in. long	**2.60**



4-G-7439. Round Point Shovel. Best crucible steel, solid socket, full polished blade, 9¾x12 inches.......... **$2.50**

4-G-7443. Square Point Spade. Best crucible steel, solid socket, full polished blade, 7½x12 inches.......... **$2.50**



Crowbars

Solid crucible steel, tempered points, properly balanced, full size and strength.

Weight, lbs.......	12	16	20
Price, each.......	**85c**	**$1.14**	**$1.43**

4-G-7457. Pinch Point AZ.
4-G-7459. Wedge Point AZZ.

Blowers—Forges—Blacksmiths' Tools!

Tornado Portable Forge

$6.00

While this forge is offered at an extremely low price, it has not been slighted in its construction. Its durability is fully guaranteed.

Construction: The material used is the very best. The legs are made of ¾-inch pipe, which screw firmly into the hearth and are tied together by wrought iron bands to insure rigidity when in action. The lever operates a segment gear on a ratchet, which permits the reverse motion while the drive wheel on the same shaft revolves rapidly. A leather belt connects drive wheel with the blower fan.

Your particular attention is called to the size of the hearth, which is 22 inches in diameter and 3¼ inches deep. This is an extremely popular forge, owing to the unusual size of the hearth, and we recommend it for all kinds of repair work.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 22 inches. Depth of fire pan, 3¼ inches. Diameter of fan case, 9 inches.

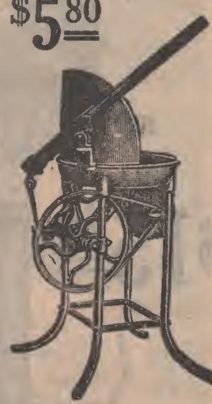
4-G-6511. Tornado Portable Forge. Weight about 110 lbs. Price.. **$6.00**

4-G-6512. Tornado Portable Forge. Same as above with half hood. Price.. **$7.00**

Cyclone Portable Forge

The best constructed and most durable low priced forge manufactured. For the farm and all light work.

$5.80



The legs are made of ¾-inch pipe, firmly screwed into the hearth and are tied together with wrought iron bands. The hearth is made of the best grade, heavy cast iron, fitted with an improved Tuyere iron. The lever operates a segment gear on a ratchet, which permits the reverse motion, while the drive wheel on the same shaft revolves rapidly.

A leather Belt connects the drive wheel with the blower fan; the result is a strong, lasting blast produced with very little energy.

We guarantee that this forge will give entire satisfaction.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 18 inches. Depth of fire pan, 3¼ inches. Diameter of fire case, 8 inches. Weight, about 55 pounds.

4-G-6501. Price with shield, as shown in illustration................ **$5.80**

4-G-6503. The same in every respect as the one described above, except that it is provided with a steel half hood for smoke pipe connection, instead of a shield for outside work, as shown in illustration. Weight, about 60 pounds.
Price.. **$7.10**

Excelsior Agricultural Forge

$19.00

Extra strong, well braced agricultural forge. No details have been neglected to produce a forge that will give you long service under constant use.

Specially designed clutch, positive in action—no lost motion. The blast is strong and will bring the work to a welding heat in less time than any other forge of similar construction.

The lever support is a swivel, which permits lever to follow the motion of the arm.

There are no springs to get out of order. This forge is guaranteed to give you the satisfaction you have a right to expect.

Size of hearth, 23 by 35 inches; size of fan case, 12 in.; height, 30 inches.

4-G-6504. Price with shield, weight 180 lbs.................... **$19.00**
4-G-6506. Price with half hood, weight 185 lbs.............. **21.00**

Eureka Blacksmiths, Boilermakers and Rivet Forges

$25.20

The Eureka Forge is a strictly high grade outfit, designed especially for heavy smithing. There are no belts, ratchets, or clutches. Equipped with ball bearing fan shaft. Designed to produce a hotter fire in less time than any other blower forge on the market. Blast is strong and steady. Gears are perfectly built and enclosed in dust-proof, self-oiling case. Steel bushed bearings; gears and pinions large and heavy; easy running and durable. Furnished with heavy Tuyere iron, 14x11¼ inches and 4 inches deep, requiring no claying. Crank turns forward and backward to produce the blast. Hearth is deep with low sides almost to level with the Tuyere for long shafts or forgings when working with a small fire.

Size of hearth, 23x35 inches; size of fan case, 12 inches in diameter; height, 30 inches, with half hood for indoor work, weight, 225 lbs.

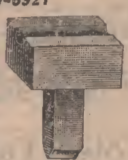
4-G-6508. Eureka blacksmiths, boilermakers and rivet forge, complete as described.. **$25.20**

ANVIL TOOLS

Made of highest grade cast steel. Are full weight, properly tempered, well finished and the best that it is possible to manufacture. Your money back on any tools not entirely satisfactory. We guarantee a saving of 30% to 50%.

Bottom Swages

4-G-6921



Ins.	Wt. Lbs.	Ea.
¼	2	26c
⅜	2	27c
½	2¼	28c
¾	2½	29c
⅞	2½	33c
1	3	35c
1¼	3	36c
1½	3½	42c

Straight Hardies

4-G-6923

Shank Ins.	Wt.	Ea.
½	8 oz.	15c
⅝	12 oz.	18c
¾	1 lb.	43c
⅞	1¼ lb.	50c
1	1½ lb.	56c

Top Swages

4-G-6943

Ins.	Lbs.	Ea.
¼	2	23c
⅜	2	26c
½	2½	27c
¾	3	32c
⅞	3	33c
1	3¼	34c
1¼	3¾	35c
1½	3¾	44c

Toe Hardies

4-G-6945. For cutting off heels of shoes.
Shank............. ⅞ inch
Each.............. **$1.06**

Bottom Pullers

4-G-6983

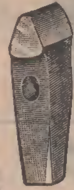
Ins.	Wt. Lbs.	Ea.
¼	2	25c
⅜	2	26c
½	2¼	27c
⅝	2¼	28c
¾	2½	35c
⅞	2½	36c
1	3	37c
1⅛	3	39c
1¼	3½	41c

Hot Cutter

4-G-6991. Without handle. Cuts 1⅜ inch, weight, 2¼ lbs.................. **80c**

Top Pullers

4-G-6981



Ins.	Wt. Lbs.	Ea.
¼	2½	26c
⅜	2½	29c
½	2¾	30c
⅝	2¾	31c
¾	2¾	35c
1	3	41c
1⅛	3	42c
1¼	3½	45c

Cold Cutter

4-G-6989. Cuts 1⅜ in., weight, 2½ lbs......... **80c**

Square Flatters

4-G-6985

Face Ins.	Wt. Lbs.	Ea.
2	2¼	30c
2¼	2½	35c
2¾	3¼	45c
3	4½	50c

Square Set Hammers

4-G-6987

Face Ins.	Wt. Lbs.	Ea.
1¼	1¾	74c
1½	2¾	91c
1¾	4¼	$1.12

Blacksmiths' Tools—Blowers and Anvils

$15.50

Blower for All General Work

This blower is made for all ordinary purposes for blacksmiths, wheelwrights, contractors, farmers and for any use where a light, easy running, efficient and durable machine is required at a reasonable price.

Built with direct drive and produces a strong, steady blast. The gears are perfectly cut and are enclosed in dustproof, self-oiling case. Designed so that the crank may be turned forward or backward to produce the blast.

4-G-6616. 46 inch. Fan case 12 inches in diameter, with Tuyere iron and pipe complete.
Weight, 140 lbs. Price..... **$15.50**

Six Tools in One

$15.50

Forge
Vise
Anvil
Pipe Vise
Drill Press
Emery Grinder

Combination Outfit

This splendid combination Blacksmith Outfit, equipped with Forge, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, is strictly a high grade combination tool that is built for service.

The gears are all cut. The forge pan is 12x14 inches, large enough to take a plowshare. This pan is cut away so that a plowshare can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent and is speeded high enough to produce a white pressure heat so that welding can be done on any work the farmer is able to handle.

Height, overall, 41 inches; height to top of Forge Hearth, 26 inches; width of Vise Jaws, 4 inches; Extreme opening of Vise Jaws, 4½ inches; capacity of Pipe Vise, 3 inches; capacity of Drill Press, ½ inch; greatest distance from Spindle to Table, 11 inches; spindle bored to take, ½ inch; face of Anvil, 3x5¾ inches; size of Handle ⅝ inch; size of Forged Hearth, 12x14 inches; depth of Forge Hearth, 2 feet; speeds obtained by gearing, 1 to 1, 1 to 4, 1 to 14; size of Emery Wheels, 6x1 inches; Floor Space, 12x16 inches. Weight, 135 pounds.

The legs are angle steel, well riveted to the top plate and tool tray, and the two steel rods support the forge pan. Furnished complete with one 6x1 inch emery wheel, and one Hardie, as illustrated. Shipped from Chicago Warehouse.

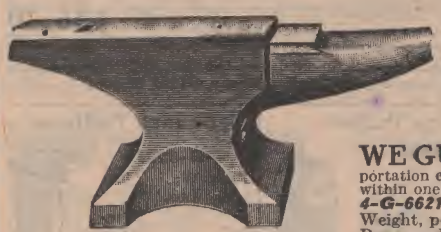
4-G-974.
Price, complete..... **$15.50**

$23

Blacksmiths' Blower Direct Drive

This splendid blower is built with direct drive. The gears are cut in the most accurate manner and fitted to insure a light, easy running blower at all times. Made with ball bearings—no small gears or pinions. The gearing is enclosed in a dust-proof case and runs in a bath of oil. The crank turns forward or backward to produce the blast. Equipped with heavy Tuyere iron 14x11¼ in. over all and 4 in. deep. A strictly high grade blower suitable for heaviest work. Carries the indorsement of many particular users.

4-G-6600. Height, 46 inches. Fan case 12 inches in diameter, with heavy Tuyere iron and pipe complete.
Weight, 165 lbs. Price..... **$23.00**



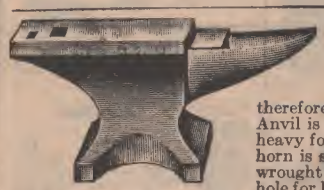
Wrought Iron Anvils

American wrought iron anvils. Top and bottom are each made of one solid piece of the toughest iron. The body is made in two pieces, welded at the waist by improved methods. The face is made of one solid piece of highest grade tool steel, properly tempered and securely welded to the body and is guaranteed not to come loose. The face is planed after the anvil is finished and is therefore smooth. Has wide base, perfectly shaped horn and heel.

WE GUARANTEE Every anvil to give perfect satisfaction. Any anvil that is not satisfactory can be returned to us within thirty days and we will refund the amount paid, including transportation charges. We further guarantee that should any Premier Anvil break at the waist or the steel face become loose within one year from date of purchase, it will be replaced without charge.

4-G-6621. Premier wrought iron anvils.

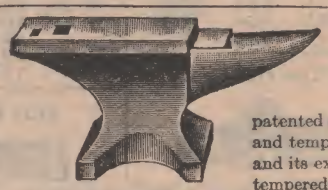
Weight, pounds	200 to 220	170 to 190	120 to 165	80 to 119	70 to 79	60 to 69	50 to 59
Per pound	20c	21c	22c	23c	24c	25c	26c



Cast Iron

4-G-6625. These anvils are made of a superior pig iron. Face accurately machined and chilled, therefore giving a smooth Anvil surface. This Anvil is for light work, and is not suitable for heavy forging. The waist is reinforced and the horn is slightly heavier in proportion than in a wrought iron Anvil. Anvil is fitted with ¾-in. hole for hardy, also a ½-inch hole for punching. In three sizes only.

Weight, pounds	50	70	100
Price, each	$4.20	$5.90	$8.75

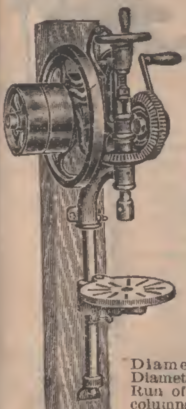


Steel Faced

4-G-6623. The face of this anvil is one solid piece of tool steel, thoroughly welded to body of anvil by a patented process and is then accurately ground and tempered. The horn is covered with steel and its extremity is made entirely of tough untempered steel. The body of the anvil is made of superior pig iron.

Weight, pounds	20	30	40	50	60	70	80	100
Each	$3.00	$4.80	$5.60	$6.40	$6.95	$7.75	$8.55	$10.65

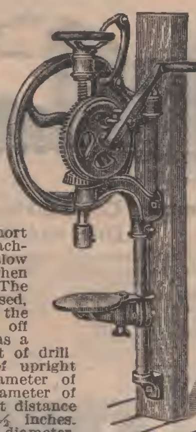
Self Feed Post Drill — Blacksmith Tools — Ball Bearing Gear Self Feed



$29.00

4-G-6705. Strongly constructed and especially adapted for heavy work. For belt and hand power. Fitted with tight and loose pulleys and fly wheel. It is equipped with a special automatic feeding device which is located back of spindle and is worked by a cam on inside of main gear wheel. This cam is constructed so as to give nearly a continuous feed. Made for heavy service. All bearings are extra long and turned out of solid metal. Height of drill, 45 inches. Diameter of table, 11 inches. Diameter of spindle, 1⅛ inches. Run of spindle, 3 inches. Size of columns, 2 inches. Greatest distance of spindle to table, 16½ inches. Spindle turns 1½ times to one turn of crank fast speed, crank turns 1½ times to one turn of spindle on slow speed. Spindle is bored for ½-inch round shank drills. Drills 1¼-inch holes to center of 18-inch circle.
Weight, 190 lbs. Price.............. **$29.00**

Double Geared Self Feed



4-G-6702. We claim that this is the best drill ever offered at the price and will meet with the requirements of the general shop and blacksmith work. It is constructed in the best possible manner and the material and workmanship cannot be excelled. The crank is adjustable to long or short turn. The self-feed attachment can be set fast or slow speed or thrown out when self feed is not required. The drill table can be raised, lowered or swung out of the way, or can be taken off entirely. The spindle has a run of 3 inches. Height of drill 35 inches. Diameter of upright column, 1⅜ inches, diameter of drive gear, 8 inches, diameter of table, 6 inches. Greatest distance of spindle to table, 9½ inches. Fly wheel, 14½ inches in diameter. Drill spindle is 1 inch steel and is bored for ½-inch round shank drills. Drills ¾-inch holes to a center of 12-inch circle. Weight, crated, about 80 pounds.
Price.............................. **$9.45**

Ball Bearing Gear Self Feed

4-G-6701. All parts readily detachable. No riveted pins holding spindle to feed screw, no washer bearings and riveted studs for the gears. The main gear revolves on a movable stud, screwed into the frame and having a hexagon head. The intermediate pin also turns on a steel stud.

The Gears are Machine Moulded, cleaned with sand blast.

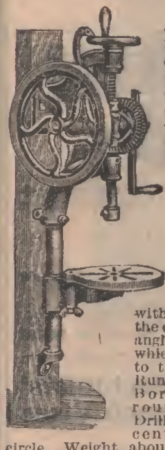
Ball Bearing Feed. The nut connecting the feed screw to the spindle is complete within itself and is ball bearing, thus the friction is greatly minimized. The ball bearings also overcome the necessity of frequent oiling.

Has Adjustable Self Feed. The automatic feeding device gives nearly a continuous feed. The device is located back of the spindle and operated by a cam inside of the main gear wheel.

Two Speeds. No Left Hand Turning.

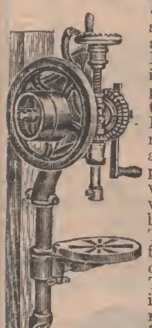
Dimensions: Total height, 45 inches. Diameter of table, 10 inches; drive gear wheel, 6 inches. Fly wheel, 14 inches. Spindle, 1 inch. Column, 1 9-16 inches. Run of spindle, 4 inches. Greatest distance of spindle, to table, 13½ inches. Drills to center of 15-inch circle and up to 1¼-inch holes. Spindle is bored for ½-inch round shank drills. Weight, crated, about 100 pounds.
Price.............................. **$13.25**

Double Geared Self Feed



4-G-6707. All bearings are turned out of solid metal to a work fit. The drill has two speeds one for light work—the other for heavy. Table can be raised or lowered, turned to side or removed and the fork used as a wheel holder. The automatic feed device is located back of the spindle. The lower column is properly aligned with the spindle and the drill table is at right angles with the spindle which causes the drill to turn free and easy. Run of spindle, 3 ins. Bored for ½-inch, round shank drills. Drills ¾-inch holes to center of a 15-inch circle. Weight, about 115 lbs. Price.............. **$12.50**

Power and Hand Drill



4-G-6715. The same construction as our 4-E-6707 Premier ball bearing geared self-feed post drill, with intermediate gear. First class equipment for shops that are provided with power. It is fitted with crank and fly wheel for operation by hand or power. The easiest running, fastest cutting post drill ever offered. The automatic feeding device gives nearly a continuous feed so that the drill does not jamb the work. Saves drill bits. The speed can be increased or diminished by simply turning thumb screw. Drill is extra heavy construction throughout and will do equally as good work as many drills that are sold for considerably more. Run of spindle, 3 inches. Diameter of spindle, 1 inch. Bored for ½-inch, round shank drills and drills to 1¼-inch holes to a center of 15-inch circle. Weight, crated, 125 lbs. Price.. **$16.25**

Straight Shank Twist Drill

High grade Straight Shank Drills. Made for machinists' use, from finest tool steel used in the manufacture of drills. Each drill ground to gauge, finely tempered and guaranteed to drill more holes than any other twist drill made. To be used in connection with drill chuck for round shank drills. They cannot be used in a common bit brace. Shanks for these drills are the same diameter as the drill.

4-G-6805. Straight shank twist drills.

Diameter..........	1–16	5–64	3–32	7–64	1–8	9–64	5–32	11–64	3–16	13–64
Length, inches......	2½	2⅝	2¾	2⅞	3	3⅛	3¼	3⅜	3½	3⅝
Each..............	07c	08c	08c	08c	09c	09c	09c	09c	10c	11c
Diameter..........	7–32	15–64	1–4	17–64	9–32	19–64	5–16	21–64	11–32	23–64
Length, inches......	3¾	3⅞	4	4⅛	4¼	4⅜	4½	4⅝	4¾	4⅞
Each..............	12c	13c	15c	16c	17c	18c	19c	20c	22c	24c
Diameter..........		3–8	25–64	13–32	27–64	7–16	29–64	15–32	31–54	1–2
Length, inches......		5	5⅛	5¼	5⅜	5½	5⅝	5¾	5⅞	6
Each..............		27c	28c	30c	34c	37c	40c	44c	49c	53c

Round Shank Drill Bits

WITH HALF INCH ROUND SHANKS. For Use in Connection with Post Drills

4-G-6801. Half-inch Round Shank Drills made of the very best grade of Steel, accurately and carefully tempered and will drill more holes than any other blacksmith drill on the market. Each one is absolutely true to gauge and fully guaranteed in every particular.

Size..............	1–8	5–32	3–16	7–32	1–4	9–32	5–16	11–32	3–8	13–32
Price..............	24c	25c	26c	29c	32c	34c	37c	39c	42c	45c
Size..............	7–16	15–32	1–2	17–32	9–16	19–32	5–8	21–32	11–16	23–32
Price..............	47c	50c	53c	55c	58c	63c	68c	74c	79c	84c
Size..............		3–4	25–32	13–16	27–32	7–8	29–32	15–16	31–32	1
Price..............		89c	95c	$1.00	$1.05	$1.10	$1.16	$1.21	$1.26	$1.31

Bit Stock Drills

4-G-6807. Can be used in an ordinary bit brace, and will drill hardwood, steel and other metals.

Size..	1–8	5–32	3–16	7–32	1–4	9–32	5–16	11–32	3–8
Each.	13c	15c	17c	19c	21c	26c	30c	35c	37c

Size...	13–32	7–16	15–32	1–2	5–8	3–4	7–8	1
Each..	40c	45c	50c	55c	77c	$1.03	$1.28	$1.55

Straight Shank Twist Drill Set

4-G-6802. ¼ to ½ by 64ths. Mounted on metal blocks. Size of drill, also decimal equivalent and tap drill size. Price.... **$9.50**

4-G-6825. Machinists' Pattern. Knife handle. Designed especially for mechanics' use.

Length, inches.....	6	8	10
Price, each........	90c	$1.10	$1.35
Length, inches.....	12	15	18
Price, each........	$1.70	$2.30	$2.85

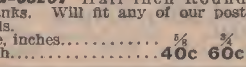
4-G-6827. Made of extra heavy forged steel. Bar and head forged from one piece. Deep milled screw thread. Steel knurl opens full. Every wrench fully warranted.

Length, in.	6	8	10	12	15
Price, ea..	55c	70c	80c	$1.00	$1.35

4-G-6831. Entire Bar Drop forged from one piece of steel. Made with reinforced bar.

Length, ins....	6	8	10	12
Opens, ins....	1⅟₁₆	1¼	1⅞	2⅟₁₆
Price.........	80c	95c	$1.15	$1.45
Length, ins......		15	18	21
Opens, ins......		2¾	3⅛	4
Price...........		$1.95	$2.65	$2.95

Machine Counter Sinks



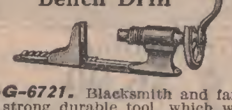
4-G-6823. Half inch Round Shanks. Will fit any of our post drills.

Size, inches............	⅝	¾
Each....................	40c	60c

Hand Feed Drills

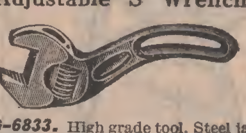
4-G-6713. For use on farms and in small shops. The crank is adjustable to long or short turn. Drill table can be raised, lowered or swung out of the way. Upright column and feed screw are made of special steel. The bearings are long and heavy, making it the easiest running and most practical and satisfactory small drill on the market. The drill spindle is 1-inch steel and bored for ½-inch round shank drills. Feed has an up and down run of 2¾ inches. Height of drill 36 inches. Diameter of upright column, 1⅜ inches; diameter of gear wheels, 6½ inches. Greatest distance of spindle to table, 9½ inches. Drills ¾-inch holes to a center of a 12-inch circle. Wt., crated, about 52 lbs. Price....... **$7.50**

Horizontal Bench Drill



4-G-6721. Blacksmith and farm use. A strong durable tool, which will give excellent service. Drill spindle bored for bit stock drill No. 4-G-6807. Weight, 29 pounds.
Price...................... **$2.95**

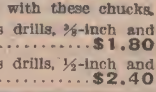
Adjustable "S" Wrench



4-G-6833. High grade tool. Steel jaws, malleable iron frame.

Length, ins...	6	8	10	12	14
Opens, ins....	¾	1	1⅜	1⅝	2
Each.........	65c	80c	95c	$1.45	$1.90

Post Drill Chucks



Made with half-inch straight shank and will fit any of our post drills. Straight shank, twist drills are used in connection with these chucks.

4-G-6809. Holds drills, ⅜-inch and smaller. Price.............. **$1.80**

4-G-6811. Holds drills, ½-inch and smaller. Price.............. **$2.40**

Blacksmiths' and Machinists' Vises!

Steel Beam Swivel Base Vise

4-G-7203. This Vise has a solid steel beam which gives it strength. Being fitted with a swivel bottom, it can be turned rapidly either right or left. This movement is securely fastened with turn of lever.

Width of jaws, inches....	2½	3	3½	4
Opens, inches...........	3	3½	4	6
Weight, lbs.............	12	15	20	32
Price, each...........	$3.35	$4.05	$5.25	$7.70

Steel Beam Vise

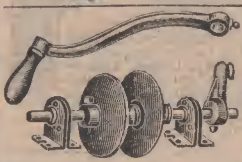
4-G-7205. This vise is of very strong construction and is made with solid steel beam. The handles are of cold rolled steel and the jaws tempered steel. Furnished with bolt and nut, and can therefore be used as a swivel as well as a stationary vise.

Width of jaws, inches....	2½	3	3½	4
Opens, inches...........	3	3½	4	6
Weight, lbs.............	11	13	19	30
Price, each...........	$2.80	$3.55	$3.95	$6.15

Bench Clamp

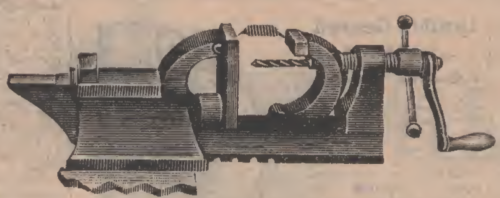
4-G-7215. These small vises are made to clamp to a table or bench. The top of the jaws and face and anvil are ground and polished. The sliding jaw is made with a deep machine cut thread.

Width of jaws, in....	1½	2
Opens, inches........	1½	2
Price, each..........	65c	$1.00



Ball Bearing Grindstone Fixtures

4-G-4407. Made with ball bearing journals. Will support stones from 1½ to 3 inches thick up to 30 inches in diameter.
Price, per set.......................... **$1.75**

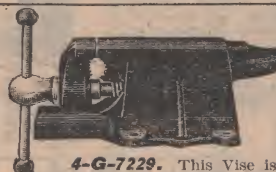


Premier Combination Anvil, Vise, Drill and Hardie

This useful combination of tools is designed to meet all requirements for farmers, mechanics, mills, mines; in fact, it is useful in every home. It consists of a vise, drill, anvil and hardie. Jaws of the vise open 6 inches. Width, 3½ inches, and are faced with steel. Drills holes up to ½ inch. ½-inch round shank drills are used in connection with this tool.
Weight, about 50 pounds.
4-G-7221. Price complete, without drill bits......... **$3.75**

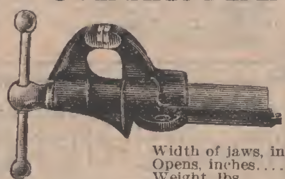
Combination Vise, Anvil and Pipe Vise

$2.25



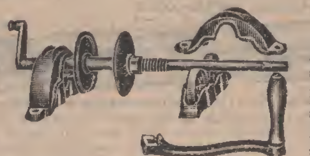
4-G-7229. This Vise is intended only for light work and is the best finished vise of its type on the market. Made of cast iron with chilled face. Width of jaws, 3 inches; opens 5 inches. Weight, 26 pounds.
Price.............................. **$2.25**

Oval Slide Parallel Bench Vise



4-G-7227. The strongest and best finished oval slide vise manufactured. Has tool steel jaws and wrought screw, accurately cut and fitted. Adapted for any kind of light work.

Width of jaws, inches....	2½	3	3½
Opens, inches...........	3¾	4	4½
Weight, lbs.............	8	14	24
Price, each.............	$2.15	$2.50	$3.15



Ball Bearing Grindstone Fixtures

4-G-4409. Adjustable for stones of different thicknesses. The use of these fixtures will prevent the splitting of grindstone, which is often the case when wooden wedges or axles are used. Japanned finish.

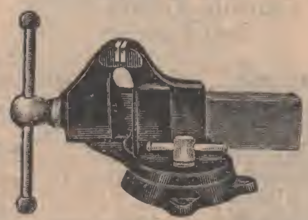
Length, inches.......	15	17	19	21
For Stone, lbs.......	40	60	80	100
Price, each..........	$0.85	$0.94	$1.00	$1.10

Blacksmiths' Solid Box Vises

4-G-7201. Thestr ongest and best made solid box vise possible to produce. The jaws are each forged from one piece of steel and are faced with crucible tool steel tempered to stand the pressure. The screws are made from heavy steel screw stock threaded on automatic machines, insuring uniformity. The box is fitted with special collars to prevent binding the screw and stripping the thread. Every vise fully guaranteed.

Width of jaws, inches....	3¾	4	4¼
Weight, lbs............	35	40	45
Price, each.............	$5.65	$5.95	$6.25
Width of jaws, inches....	4½	4¾	5¼
Weight, lbs............	50	60	70
Price, each.............	$6.50	$7.40	$8.50
Width of jaws, inches....	5¾	6	6¼
Weight, lbs............	80	90	100
Price, each.............	$9.95	$11.35	$11.45

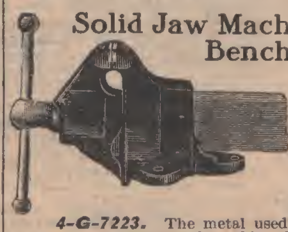
Swivel Vise



4-G-7225. This vise can be turned in any position on an axis parallel with the floor and is locked by a clamping bolt.

Width of jaws, ins...	3	3½	4	4½
Opens, inches.......	4	5	6	6½
Weight, lbs..........	28	38	54	65
Price, each.......	$12.25	$14.00	$16.80	$19.60
Width of jaws, ins...	5	5½	6	7
Opens, inches.......	7½	8½	10	12
Weight, lbs..........	90	120	136	240
Price, each.......	$21.85	$27.50	$37.50	$46.85

Solid Jaw Machinists' Bench Vises



4-G-7223. The metal used is an alloy mixture, very tough, making the strongest vise possible to manufacture. Reinforced where the strain is heaviest. Screws and handles are cold rolled steel. Jaws are heavy tool steel carefully tempered. Every vise is fully guaranteed. Stationary bottom.

Width of jaws, inches..	3	3½	4
Opens, inches.........	4½	5	6
Weight, lbs...........	24	28	42
Price, each..........	$10.50	$11.20	$13.30
Width of jaws, inches..........	4½	5	
Opens, inches.................	6½	7½	
Weight, lbs...................	55	72	
Price, each...................	$15.40	$19.60	

Grindstone $6.00

4-G-4401. Frame is constructed from angle steel extra well braced. Ball bearings on journals and cranks. Axles are made of steel. Stone is the best selected Berea grit, 20 to 22 inches in diameter, 2 to 2½ inches thick, and weigh on an average of 60 pounds. Weight, about 85 lbs.
Price, each........... **$6.00**

Hammer and Axe Handles

Hand Shaved Octagon Hickory Axe Handles

4-G-6201. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.
Each.. **57c**

Hand Shaved Oval Hickory Axe Handles

4-G-6203. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.
Each.. **54c**

TURNED HICKORY SINGLE BIT AXE HANDLES
4-G-6205. First Grade. Length 36 inches. Each.............. **29c**

BROAD AXE HANDLES
4-G-6207. First Grade only. Reversible for right or left hand. Length, 34 inches. Each.............. **34c**

HAMMER HANDLES
4-G-6233. First Grade only. Length, 14 inches. Each....... **7c**

HATCHET HANDLES
4-G-6235. First Grade only. Length, 14 inches. Each....... **7c**

BROAD HATCHET HANDLES
4-G-6241. First Grade only.

Length inches..........	16	17	18
Each...................	9c	10c	11c

RIVETING HAMMER HANDLE
4-G-6243. First Grade only. Length, 14 inches. Each......... **7c**

POST MAUL HANDLES
4-G-6245. First Grade only. Length, 36 inches. Each....... **20c**

DOUBLE BIT HICKORY AXE HANDLES
4-G-6209. First Grade only Length, 36 inches. Each....... **29c**

PICK OR MATTOCK HANDLES
4-G-6211. First Grade only. Length, 36 inches. Each....... **34c**

SLEDGE HANDLES
4-G-6237. First Grade only. Length, 34 inches. Each....... **22c**

MACHINISTS' HAMMER HANDLES
4-G-6239. First Grade only. Length, 16 inches. Each......... **7c**

BLACKSMITHS' HAMMER HANDLES
4-G-6247. First Grade only. Length, 16 inches. Each......... **7c**

ADZE HANDLES
4-G-6249. First Grade only. Length, 34 inches. Each....... **25c**

Household Grindstone

Fitted with convenient adjustable tool rests, nicely finished in black enamel.

4-G-4401. 4-in. case, wheel size, 4x¾x1 inch.
Price.............. **$1.55**

4-G-4406. 5-in. case, wheel size, 5x1x1 inch.
Price.............. **$2.40**

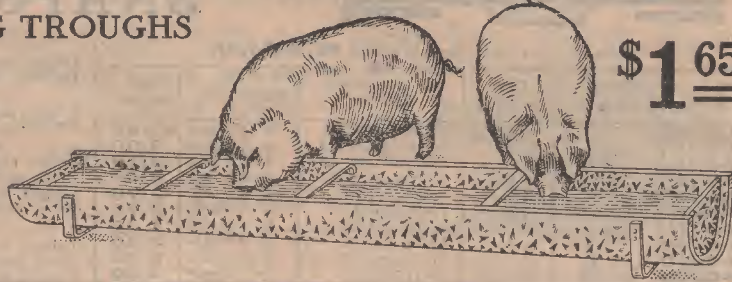
4-G-4408. 6-in. case, wheel size, 6x1x1 inch.
Price................................ **$3.00**

7-G-4410. 7-in. case, wheel size, 7x1x1 inch.
Price................................ **$3.95**

Strong, Durable Hog Troughs

Heavy Galvanized Steel HOG TROUGHS

These Troughs are made of (10-gauge) extra heavy galvanized steel, smoothly finished. Flared legs make tipping impossible. Will not rust, leak or cave in. Rounded bottoms make cleaning easy. Troughs are painted with a high quality black paint before shipping.

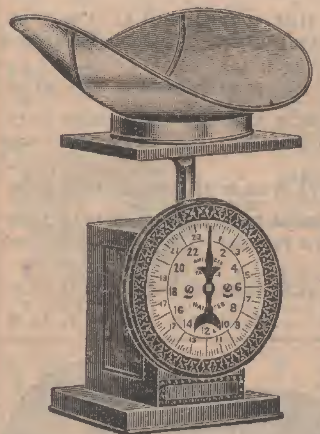


$1.65

Catalogue Number	Width inches	Depth inches	Length feet	Weight pounds	Capacity gallons	Price each	Lots of 3 each	Lots of 6 each	Lots of 12 each
4-G-512	12	6	5	40	15	$1.95	$1.85	$1.75	$1.65
4-G-812	12	6	8	65	24	2.95	2.85	2.75	2.65
4-G-1012	12	6	10	80	30	3.95	3.85	3.75	3.65

Scales for General Family Use

24 lb. Capacity Vertical Dial



$1.80

A strictly high grade scale for family use. Guaranteed to weigh accurately. The body is made of cold rolled steel, nicely nickel-plated and enameled. Springs are made of high grade tempered steel. Equipped with tension screw for perfect regulating and balance. White enameled dial with graduations plainly marked. Capacity 24 pounds, by ounces. Shipping weight, 6 pounds.

4-G-10035. Price without scoop....... **$1.80**

4-G-10037. Price with tin scoop...... **$2.15**

60 lb. Capacity

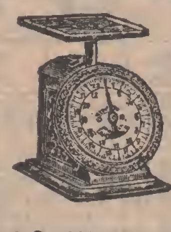
Double Platform Supports

This splendid scale embodies every desired feature of workmanship and material. Guaranteed to weigh accurately. The body is made of heavy cold rolled steel, handsomely enameled and finished. The graduations are plainly marked and easily read. The double platform support is a desirable feature; this distributes the weight evenly and assists the scale in maintaining accurate weight. The platform is 7½ inches square. Capacity of scale, 60 lbs., by ounces. Shipping weight, 10 pounds.

4-G-10017. Price, without scoop.......................... **$3.90**

4-G-10019. Price, with heavy tin scoop.......................... **$4.75**

24 lb. Capacity



Angle Dial

$1.95

4-G-10001. A well made, dependable scale of unusual value for general family use. Body made of cold rolled steel. Nicely enameled. White enameled dial, slants on angle of 45 degrees, can be easily read at a glance. Capacity 24 pounds, by ounces. Shipping weight 5 pounds.

Each................ **$1.95**

Bolt Clipper

4-G-7027. For cutting bolts, rods, etc. Jaws properly tempered and can be adjusted to take up the wear of the joints and cutting edges. Rubber bumpers between handles.

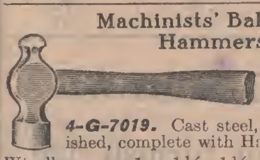
Size No.	For Cutting Bolts	Each
0	Up to 5/16 inch	**$3.00**
1	Up to 3/8 inch	**3.80**
2	Up to ½ inch	**$5.60**
3	Up to 5/8 inch	**7.20**

Riveting Hammers

4-G-7013. Polished cast steel. Complete with handles. Handles are not included in weight.

Weight, ounces...	7	9	12	18
Each............	59c	62c	64c	71c

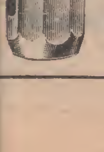
Machinists' Ball Pein Hammers



4-G-7019. Cast steel, half polished, complete with Handles.

Wt., lbs.......	1	1¼	1½	1¾	2
Each.......	73c	75c	83c	89c	$1.00

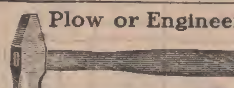
Horseshoers' Turning Sledges



4-G-7023. Solid cast steel, polished faces. Prices do not include handles.

Wt., lbs...	6	10
Each.....	$1.02	$1.70

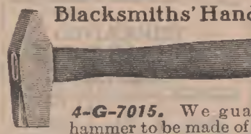
Plow or Engineers' Hammer



4-G-7017. Made of the very best quality of steel, highly polished, complete with handles. Handle not included in weight.

Weight, ounces......	18	24	36
Each...............	70c	82c	87c

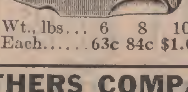
Blacksmiths' Hand Hammer



4-G-7015. We guarantee this hammer to be made of the very best quality steel, polished and complete with handles. Handles not included in weight.

Weight, lbs...........	2	2½	3
Price, each...........	$1.22	$1.30	$1.40

Blacksmiths' Sledges



4-G-7021. Solid cast steel polished faces, fully guaranteed. Prices do not include handles.

Wt., lbs...	6	8	10	12	14	18
Each.....	63c	84c	$1.05	$1.26	$1.47	$1.89

"Our Gem" Tool Set

"Our Gem" Tool Set consists of the following tools:

- 1 24-Inch Crucible Steel Hand Saw.
- 1 Steel Nail Hammer.
- 1 Bit Brace, 8-inch sweep.
- 3 Auger Bits, cast steel, double Spur, one each size, 3/8, ½, ¾ inch.
- 4 Gimlet Bits, double cut, assorted sizes.
- 1 ¾-inch Leather-tipped Socket Firmer Chisel.
- 1 4-inch Screw Driver, Champion pattern.
- 1 7-inch Iron Block Plane.
- 1 2-foot 4-fold Boxwood Rule.
- 1 Shingling Hatchet.
- 1 Combination Anvil and Vise, 1½-inch jaws.
- 1 8-inch Monkey Wrench.
- 1 6-inch Steel Tri-Square.
- 1 4-inch Taper File with Handle.

4-G-4601. "Our Gem" Tool Set. Complete **$7.25**

HARDWARE SNAPS!

BLACKSMITHS' STOCKS AND DIES

Cuts all right hand threads except ***No. 4-G-7332.***

Catalog Number	Manufacturers No.	Cuts inch	No. of Threads inch to	No. of taps in set	No. of dies in set	Price per set
4-G-7301	55	5/16 to 1/16	18-24 and 32	4	3 sets	**$2.80**
4-G-7303	53	5/16 to 1/16	16-20-24 and 32	4	4 sets	**3.00**
4-G-7305	53 A	5/16 to 1/16	18-20-24 and 32	4	4 sets	**3.10**
4-G-7307	41	1/2 to 1/8	16-20 and 26	6	3 sets	**3.65**
4-G-7309	41 C	1/2 to 5/16	12-14 and 16	6	3 sets	**3.70**
4-G-7311	41 D	1/2 to 5/16	12-16 and 20	6	3 sets	**3.75**
4-G-7313	37	5/8 to 5/16	14-18 and 22	6	3 sets	**4.75**
4-G-7315	37 A	5/8 to 5/16	12-14 and 16	6	3 sets	**4.80**
4-G-7317	37 C	5/8 to 1/4	11-12 and 16	6	3 sets	**4.85**
4-G-7319	34 C	3/4 to 3/8	10-11 and 12	3	3 sets	**5.00**
4-G-7221	34 B	3/4 to 5/16	12-14 and 16	3	3 sets	**5.05**
4-G-7323	34 A	3/4 to 5/16	10-12 and 14	3	3 sets	**5.10**
4-G-7325	32 A	3/4 to 5/16	10-11-12 and 14	4	4 sets	**5.60**
4-G-7327	32 B	3/4 to 1/4	10-12-14 and 16	4	4 sets	**5.65**
4-G-7329	23	1 to 3/8	9-10 and 14	3	3 sets	**5.75**
4-G-7331	23 A	1 to 3/8	8-10 and 12	3	3 sets	**5.75**
4-G-7332	42 A	1/2 to 3/16	Right hand 12 and 18 Left hand 12	6	3 sets	**3.95**

BLACKSMITHS' STOCKS AND DIES

With Stocks for single die. Cuts right hand threads only.

Catalog Number	Mfrs. No.	Cuts inch	No. of Threads to inch	No. of taps in set	No. of dies in set	Price per set
4-G-7337	51 A	1/2 to 5/16	12-14 and 16	3	3 sets	**$4.45**
4-G-7339	51 B	1/2 to 5/16	12-14-16 and 18	4	4 sets	**5.00**
4-G-7341	60	3/4 to 5/16	10-12-14 and 18	6	4 sets	**7.25**
4-G-7343	27	3/4 to 1/4	10-12 and 16	6	3 sets	**7.30**
4-G-7345	27 B	3/4 to 5/16	10-11-12-14 and 16	5	5 sets	**8.40**
4-G-7347	27 C	3/4 to 1/4	10-11-12-14-16 and 18	6	6 sets	**9.50**
4-G-7349	27 D	3/4 to 5/16	10-11-12-14-16-18-20	7	7 sets	**10.65**
4-G-7351	27 A	3/4 to 3/8	10-11 and 12	6	3 sets	**7.35**
4-G-7353	19 B	1 to 1/2	8-9-10 and 11	4	4 sets	**10.00**
4-G-7355	19 C	1 to 7/16	8-9-10-11 and 12	5	5 sets	**11.75**

WOOD SCREWS

Flat head bright wood screws, cold forged, are stronger, hold better and are inserted easier than other wood screws. Orders for less than a gross will be charged at the dozen price.

4-G-4029 Length 1/4 inch

No.	Gross	Doz.
1	23c	3c
2	23c	3c
3	23c	3c

4-G-4031 Length 3/8 inch

No.	Gross	Doz.
1	23c	3c
2	23c	3c
3	23c	3c
4	23c	3c

4-G-4033 Length 1/2 inch

No.	Gross	Doz.
2	23c	3c
3	23c	3c
4	24c	3c
5	25c	3c
6	26c	3c

4-G-4035 Length 5/8 inch

No.	Gross	Doz.
2	23c	3c
3	23c	3c
4	24c	3c
5	25c	3c
6	27c	3c
7	29c	3c

4-G-4037 Length 3/4 inch

No.	Gross	Doz.
4	25c	4c
5	27c	4c
6	28c	4c
7	29c	4c
8	33c	4c
9	35c	4c
10	36c	4c

4-G-4039 Length 7/8 inch

No.	Gross	Doz.
5	28c	4c
6	29c	4c
7	31c	4c
8	32c	4c
9	34c	4c
10	36c	4c
12	44c	4c

4-G-4041 Length 1 inch

No.	Gross	Doz.
5	29c	4c
6	30c	4c
7	31c	4c
8	34c	4c
9	36c	4c
10	38c	4c
12	43c	4c
14	56c	5c

4-G-4043 Length 1 1/4 inch

No.	Gross	Doz.
7	36c	5c
8	37c	5c
9	40c	5c
10	42c	5c
12	50c	6c
14	61c	6c
16	71c	6c

4-G-4045 Length 1 1/2 inch

No.	Gross	Doz.
8	42c	5c
9	44c	5c
10	45c	5c
12	53c	5c
14	64c	6c
16	91c	10c

4-G-4047 Length 2 inch

No.	Gross	Doz.
10	57c	6c
12	64c	7c
14	79c	8c
16	$1.00	12c
18	1.36	14c

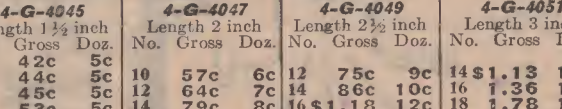
4-G-4049 Length 2 1/2 inch

No.	Gross	Doz.
12	75c	9c
14	86c	10c
16	$1.18	12c
18	1.52	15c

4-G-4051 Length 3 inch

No.	Gross	Doz.
14	$1.13	12c
16	1.36	14c
18	1.78	16c

ROUND AND FLAT HEAD STOVE BOLTS



3-16 INCH DIAMETER

Length, inch..	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price per 100..	27c	27c	27c	29c	29c	32c	35c	37c	39c	42c	48c

1/4 INCH DIAMETER

Length, inch..	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price, per 100.	38c	38c	38c	40c	42c	45c	48c	50c	52c	58c	64c

5-16 INCH DIAMETER

Length, inch	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price, per 100	56c	58c	60c	62c	66c	69c	74c	80c	86c

MACHINE BOLTS

4-G-7335

1-4 INCH DIAMETER BOLTS

Length, inches	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
Per 100	$1.00	1.00	1.06	1.12	1.18	1.24	1.30	1.56	1.62	1.66	1.73	1.78	1.85

5-16 INCH DIAMETER BOLTS

Length, inches	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
Per 100	$1.20	1.20	1.26	1.34	1.40	1.50	1.66	1.95	2.03	2.11	2.20	2.28	2.37

3-8 INCH DIAMETER BOLTS

Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	$1.44	$1.44	$1.53	$1.62	$1.73	$1.82	$1.92
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$2.27	$2.37	$2.48	$2.57	$2.70	$2.80	$3.00

1-2 INCH DIAMETER BOLTS

Length, inch	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2
Price, per 100	$2.43	$2.60	$2.68	$2.95	$3.12	$3.30	$3.48	$3.65	$3.73
Length, inch	6	6 1/2	7	8	9	10	11	12	
Price, per 100	$4.00	$4.18	$4.35	$4.70	$5.05	$5.40	$5.76	$6.10	

CARRIAGE BOLTS

4-G-7353. These have oval heads, square shoulders, perfect thread with forged nuts. Will sell 50 bolts at one-half 100 price.

1-4 inch diameter. 100 bolts in a package. (Always state size bolt wanted.)

Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	68c	68c	75c	81c	88c	95c	$1.02
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.08	$1.15	$1.21	$1.29	$1.43	$1.50	$1.65

5-16 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

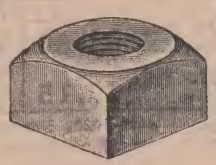
Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	95c	95c	$1.02	$1.10	$1.18	$1.26	$1.35
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.43	$1.50	$1.59	$1.67	$1.86	$1.95	$2.10

3-8 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	$1.29	$1.29	$1.40	$1.50	$1.60	$1.70	$1.80
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.92	$2.04	$2.15	$2.25	$2.50	$2.60	$2.85

1-2 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

Length, inch	2 1/2	3	3 1/2	4	4 1/2	5
Price, per 100	$2.33	$2.54	$2.70	$2.91	$3.14	$3.30
Length, inch	5 1/2	6	6 1/2	7	8	
Price, per 100	$3.53	$3.70	$3.93	$4.11	$4.30	



BLANK SQUARE NUTS

4-G-7361

Bolt, Inches	No. in lbs.	Price Blank per lb.
1/4	74	17c
5/16	39	15c
3/8	21	12c
7/16	13	12c
1/2	12	11c
9/16	7	10c
5/8	6	10c
3/4	3	10c
7/8	2	9c
1	2	9c

THREADED SQUARE NUTS

4-G-7363

Bolt, Inches	No. in lbs.	Price, Threaded per lb.
1/4	74	20c
5/16	39	18c
3/8	21	14c
7/16	13	14c
1/2	12	13c
9/16	7	13c
5/8	6	12c
3/4	3	11c
7/8	2	10c
2	1	10c

WROUGHT IRON WASHERS

4-G-7359. These washers are made to easily fit the size of bolt given.

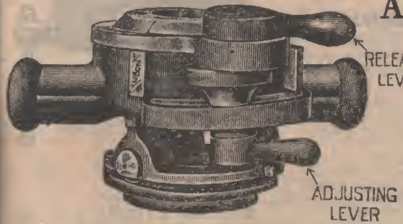
Bolt, ins.	No. in lb.	Per lb.
3/16	400	14c
1/4	139	12c
5/16	113	11c
3/8	68	9c
1/2	26	7c
5/8	13	7c
3/4	10	7c
7/8	9	7c
1	6	7c

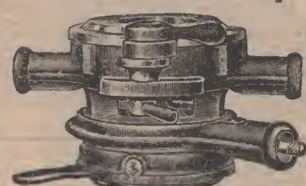
LAG SCREWS

We can furnish lag screws in all sizes at low prices. Send list of your requirements

"Bulldog" Pipe Stocks and Dies

An Adjustable Stock with the Grip That Never Slips





Bull Dog type stocks and dies are the choice of professional plumbers and steamfitters because of their durability, simplicity and fast cutting. Dies and guides are controlled by small lever handles, quickly set for any size. They stay set without locking. Dies are opened or closed by one movement of the top lever. They are changed from one size to another or set for over or undersize by moving one lever. An adjustable stock with a positive lever lock which will not slip. By throwing lever open, die can be lifted off—not necessary to back off die after thread is finished. Cuts clean, sharp threads.

$14 without Ratchet

$16 with Ratchet

Sizes of Pipe These Stocks Will Thread

"Bulldog" Plain Stock and Dies

Cat. No.	One Set of Dies	One Set of Dies	One Set of Dies	Price Per Set
4-G-1020	¼ in. & ⅜ in.	½ in. & ¾ in.	1 in. & 1¼ in.	**$14.00**
4-G-1040	½ in. & ¾ in.	1 in. & 1¼ in.	1½ in. & 2 in.	**20.00**

"Bulldog" Ratchet Stock and Dies

Cat. No.	One Set of Dies	One Set of Dies	One Set of Dies	Price Per Set
4-G-1020-R	¼ in. & ⅜ in.	½ in. & ¾ in.	1 in. & 1¼ in.	**$16.00**
4-G-1040-R	½ in. & ¾ in.	1 in. & 1¼ in.	1½ in. & 2 in.	**20.00**

The New REED Ratchet Pipe Stock and Dies

Telescope Handle Gives Added Leverage and Makes Threading Easy

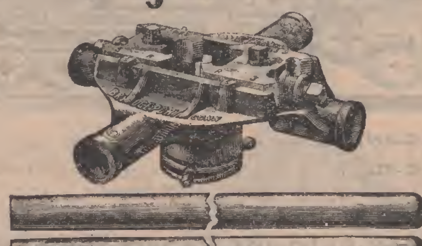
Handy—Easy and Fast Cutting

An extra strong tool built to endure. Preferred by many because it has fewer parts and permits work in close quarters. Will thread nipples one inch shorter than any other ratchet pipe stock. No need to file off the burr. The double-threaded throat starts cutting easier with a burr than without it. Adjustable guides eliminate bushings. Cuts both right and left hand threads by changing die and reversing the ratchet.

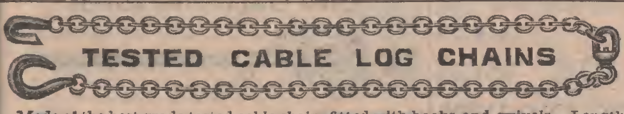
4-G-1400. Complete set (stock and four sets of dies), 1 in., 1¼ in., 1½ in. and 2 in.... **$18.00**
(½ in. and ¾ in. dies—can also be used in the same stock.)
Extra dies; adjustable. Any size to fit this stock, each.... **$3.00**

SPECIAL! Armstrong's Adjustable Pipe Stock and Dies $9.50

For Threading Pipe 2½ and 3 inch



17-G-2820. A special purchase of these splendid Armstrong adjustable pipe stock and dies bring them to you at an unusually low price. Complete stock and die cutting 2½ and 3 inch right hand threads. The change from 2½ in. to 3 in. is made by simply reversing dies end for end, when they will cut the two standard sizes without further adjustment. Furnished complete with two handles and packed in a heavy hardwood box.
Price of set complete.... **$9.50**



Made of the best grade tested cable chain, fitted with hooks and swivels. Length 14 feet with grab hook on one end, large round hook on the other end, swivel in center. Size given is diameter of iron from which the links are made.

4-G-7147. Tested Steel Log Chains

Size, inches	¼	5-16	⅜	½	⅝
Weight, lbs	11	17	23	41	72
Price	**$1.80**	**$2.40**	**$3.00**	**$4.40**	**$6.60**

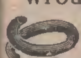
Tested Cable Coil Chain

4-G-7031. Short, straight links. Made of high grade iron of great toughness and guaranteed full size.

Guaranteed to be strictly first class in every particular.

Size inch	3-16	¼	5-16	⅜	7-16	½	⅝	¾
Approx. Wt., per ft., lbs.	½	¾	1¼	1¾	2	3	5	6
Per Foot	**7c**	**10c**	**14c**	**18c**	**22c**	**26c**	**44c**	**56c**

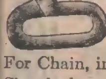
Wrought Iron Chain Repair Links



4-G-7034. Used to replace broken links. Made full size of regular chain iron.

Size, inches.... 3-16
Price, per dozen.... **3c**

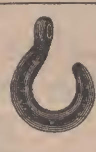
Malleable Repair Links



4-G-7036. Can be applied without tools. These links combine simplicity and strength.

For Chain, inch	3-16	¼	5-16
Size, inch	5	5	5
Per dozen	**40c**	**45c**	**50c**

Round Chain Hooks



4-G-7045. Forged from the highest grade chain steel.

For Chain, inches.	¼	⅜	½
Each	**13c**	**17c**	**29c**

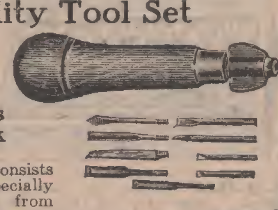
Grab Chain Hooks

4-G-7047. Carefully forged from the highest grade chain steel.

For Chain, inches...	5/16	⅜	½
Each	**13c**	**25c**	**35c**

Utility Tool Set

$1.50

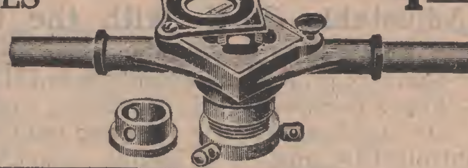


Handy Tools for All Work

4-G-5963. Set consists of: 11 tools specially selected, forged from high grade tool steel properly tempered. Polished cocobola handle, improved nickel plated chuck. Each tool is nicely finished and guaranteed to give entire satisfaction.
Price.... **$1.50**

MALLEABLE PIPE STOCKS and SOLID STEEL DIES

$4.95



In the manufacture of the dies it has been our aim to furnish a die of unusual cutting qualities. To do this it has been necessary to use a higher grade of steel than has heretofore been employed in the manufacture of pipe dies. We will guarantee that every die has a perfect clearance and will cut a clean thread. When cutting threads use plenty of oil. Lard oil is recommended for this purpose.

4-G-2801. Set No. 0

Pipe size of dies, regular set inches	1/8 1/4 3/8 1/2
Dimensions of dies, inches	2x2x1/2
Price per set, complete with dies	**$4.95**

4-G-2802. Set No. 1

Pipe size of dies, regular set, inches	1/4 3/8 1/2 3/4 1
Dimension of dies, inches	2 1/2x2 1/2x3/4
Price per set, complete with dies	**$6.50**

4-G-2805. Set No. 2

Pipe size of dies, regular set, inches	1 1/4 1 1/2 2
Dimension of dies, inches	4x4x7/8
Price per set, complete with dies	**$8.95**

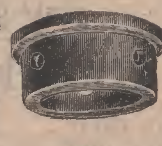
4-G-2803. Set No. 1 1/2

Pipe size of dies, regular set, inches	3/4 1 1 1/4
Dimension of dies, inches	3x3x3/4
Price per set, complete with dies	**$5.90**

4-G-2806. Set No. 3

Pipe size of dies, regular set, inches	2 1/2 3
Dimension of dies, inches	5x5x1 1/4
Price per set, complete with dies	**$21.65**

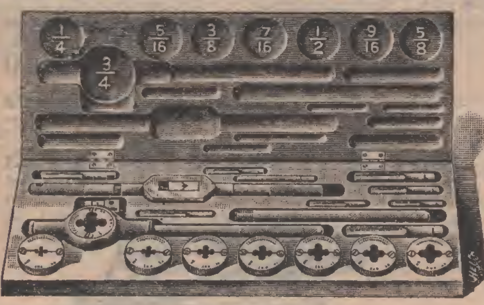
Extra Dies and Guides



4-G-2808. These can be furnished either right or left hand thread. In ordering be sure and state which. Unless otherwise specified dies with right hand threads will be shipped.

Dimension of Dies, inches	Pipe Size of Dies	Price of Dies	Price of Guides
2 x2 x 1/2	1/8, 1/4, 3/8, 1/2, 3/4	$0.87	$0.17
2 1/2x2 1/2x 3/4	1/8, 1/4, 3/8, 1/2, 3/4, 1	.99	.23
3 x3 x 3/4	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2	1.25	.35
4 x4 x 7/8	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	1.56	.43
5 x5 x1 1/4	2 1/2, 3 (right hand only)	5.55	1.20

CHAMPION EASY SCREW PLATES



$12.95

U. S. Standard Thread

Champion easy screw plates make a perfect screw with a single cut. Adjustable dies with taper head screw and taper nut making them rigid and solid. The finest workmanship and material. All dies and taps made of special tool steel perfectly tempered. Come to you in neat wood box with taper taps. Complete with Champion adjustable tap wrench with square socket to fit shank of each tap in set. Holds tap firmly and always in center.

4-G-627. Cuts 5 sizes as follows: 1/4-20, 3/8-16, 1/2-13, 5/8-11, 3/4-10, U. S. standard threads. Length of stock, 16 in., weight 7 7/8 lbs., price set....**$12.95**

4-G-628. Cuts 6 sizes as follows: 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 5/8-11, U. S. standard threads. Length of stock 16 in., weight 8 lbs. Price per set....**$13.95**

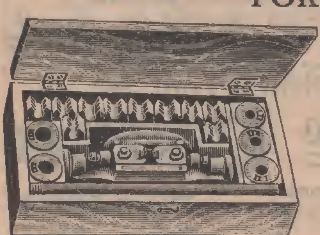
4-G-631. Cuts 9 sizes as follows: 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 5/8-11, 3/4-10, 7/8-9, 1 in.-8, U. S. standard threads. Has two stocks one 16 in. and one 29 in. long. Weight 19 lbs. Price per set....**$23.80**

Auto and Repair Shop Screw Plate Combination

4-G-633. Consists of 10 dies and taps cutting both standard U. S. threads and S. A. E. auto standard threads. U. S. standard threads 5 sizes: 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13. 5 sizes S. A. E.: 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20. One 15 1/2 in. stock and adjustable tap wrench. Hardwood box with taps. Weight 10 1/2 lbs. complete....**$16.75**

4-G-634. Combination consists of 16 dies cutting—1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-18, 9/16-12, 5/8-11, 3/4-10, U. S. standard and 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16, S. A. E. Price per set....**$31.95**

ARMSTRONG PATTERN ADJUSTABLE STOCK AND DIES FOR THREADING PIPE



The dies are standard in size and are easily adjusted to the variations and size of pipe. The taper at the entrance of the first few threads is greater than the standard taper, thus forcing six of the teeth of the die to do the work of the cutting instead of two or three as in the ordinary die. This causes them to start on the pipe very easily, even though it is burred considerably. Each set is finely finished and packed in a hardwood box.

4-G-2823. Set No. 2. Size of dies, inches, 1/4, 3/8, 1/2, 3/4, 1
Weight per set, 15 lbs. Price complete....**$7.45**
Extra pipe dies from 1/8 to 1 inch each size.... **1.25**

4-G-2824. Set No. 2 1/2. Dies in this set are double-ended. Sizes 1/2x3/4 and 1x1 1/4. Weight of set, 20 lbs.
Price, complete....**$8.65**
Extra dies, each size.... **1.55**

4-G-2825. Set No. 3. Size of dies, inches, 1 1/4, 1 1/2, 2
Weight per set, 35 lbs. Price complete....**$11.15**
Extra pipe dies from 1 1/4 to 2 inch each size. **2.75**

4-G-2826. Set No. 6. Dies in this set are double ended. Sizes 2 1/2x3. Weight per set, 72 lbs.
Price, complete....**$27.85**

Smith's Combination Pipe Vises

6-G-2839. Can be used as a swivel or stationary bottom. Pipe jaws are reversible. Vise can be used either for pipe or as a parallel machinists' vise.

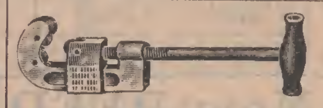
Size No.	1	2	3
Weight, lbs.	45	70	105
Capacity, inches	1/8 to 2	1/4 to 3	1/4 to 4
Width of jaw, inches	3 1/2	4	4 3/4
Price, each	**$12.00**	**$16.50**	**$24.00**

Open Hinge Malleable Pipe Vises

4-G-2841. Made with steel jaws which are interchangeable. Vise is self-locking, heavily constructed. The jaws and every part of vise are fully guaranteed.

Size No.	1	2	3
Cap.in.	1/8to2 1/2	1/8to3 1/2	1/8to4 1/2
Pr., ea.	$3.35	$5.00	$7.40

Barnes' Three Wheel Pipe Cutters



4-G-2843. Made of malleable iron. Steel pins and cutting wheels are made of highest grade crucible steel, oil tempered. This style cutter is especially suited to use in that class of work where it is impossible to revolve cutter entirely around pipe.

Size No.	1	2	3
Cuts pipe, inches	1/8 to 1	1/2 to 2	1 1/2 to 3
Price, each	**$2.28**	**$3.05**	**$5.00**
Extra wheels	.12	.15	.20

Saunder's Pattern Pipe Cutter

4-G-2845. Is suitable for work where the cutter can be revolved around the pipe and leave practically no burr. Pins and cutter wheels are made of crucible steel, tempered.

Size No.	1	2	3	4
Cuts pipe, inches	1/8 to 1	1 to 2	2 to 3	2 1/2 to 4
Price, each	$1.85	$2.75	$6.80	$11.00
Extra wheels	.14	.19	.36	.38

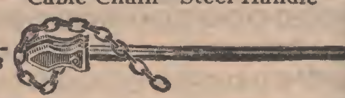
Trimo Pipe Wrenches

4-G-2847. Drop forged from bar steel, removable jaw and nut. Are made with round top and bottom, threads guaranteed not to strip or burr. All the parts are interchangeable and can be renewed at small expense.

Lgth. In.	Takes Pipe In.	Price Each	Lgth. In.	Takes Pipe In.	Price Each
6	1/8 to 1/2	$ .90	18	1/4 to 2	$2.25
8	1/8 to 3/4	1.02	24	1/4 to 2 1/2	3.25
10	1/8 to 1	1.12	36	1/2 to 3 1/2	6.00
14	1/4 to 1 1/2	1.58	48	1 to 5	9.00

Harris Reversible Chain Wrench with Cable Chain—Steel Handle

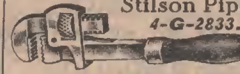
4-G-2508



Length, inches	64 1/2
Capacity, inches	2 to 12
Price, each	**$6.84**

Stilson Pipe Wrenches

4-G-2833.



Drop forged. All parts interchangeable.

Lgth.	Takes Pipe	Each
6 in.	1/8 to 1/2 in.	**$0.85**
8 in.	1/8 to 3/4 in.	**.95**
10 in.	1/8 to 1 in.	**1.10**
14 in.	1/4 to 1 1/2 in.	**1.50**
18 in.	1/4 to 2 in.	**2.20**
24 in.	1/4 to 2 1/2 in.	**3.15**

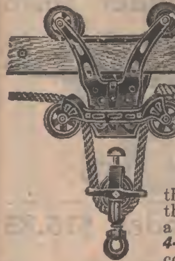
Pipe Taps and Reamers

Made of high grade tool steel, each tool fully guaranteed.

4-G-2831. Pipe-Tap.
4-G-2832. Pipe Reamer.

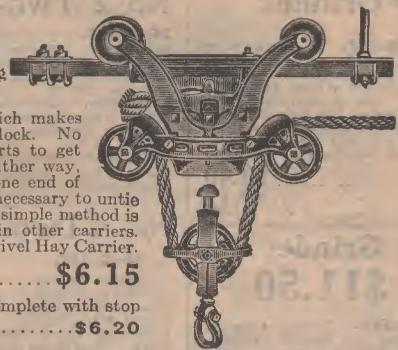
Size	Price	Size	Price
1/8 in.	**$0.50**	1 in.	**$2.05**
1/4 in.	**.60**	1 1/4 in.	**2.85**
3/8 in.	**.80**	1 1/2 in.	**3.75**
1/2 in.	**1.00**	2 in.	**5.70**
3/4 in.	**1.35**		

Best Made Hay Carrier Tools



Double Swivel Hay Carriers

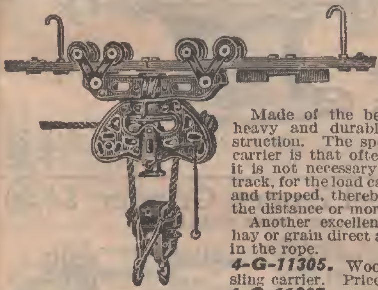
With Improved Locking Device



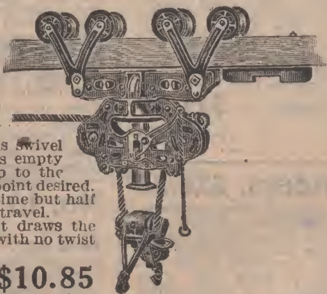
Has but two pieces, which makes it an absolutely positive lock. No springs or unnecessary parts to get out of order. Will work either way, by changing pulley from one end of the barn to the other, making it unnecessary to untie the ropes from other pulleys. This simple method is a big feature not generally found in other carriers.

4-G-11301. Wood track double swivel Hay Carrier. complete with stop and fork pulley. Price.................................**$6.15**

4-G-11303. Steel track double swivel Hay Carrier complete with stop and fork pulley. Price...............................**$6.20**



Double Swivel Sling Hay Carrier



Made of the best malleable iron, heavy and durable, simple in construction. The special feature of this swivel carrier is that often when the barn is empty it is not necessary to raise a load up to the track, for the load can be raised to any point desired. and tripped, thereby saving not only time but half the distance or more for the horses to travel.

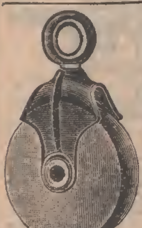
Another excellent feature is that it draws the hay or grain direct as the load stands, with no twist in the rope.

4-G-11305. Wood track swivel sling carrier. Price...............**$10.85**

4-G-11307. Steel track swivel sling carrier. Price...**$10.90**

Snatch Pulley Block

4-G-11309. To shorten travel of horse without reducing the power. Horse travels only half the distance hay is carried. Frame is made of malleable iron with iron sheave. For use with manila rope only. Price, each.................**90c**



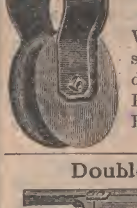
Iron Yoke Hay Fork Pulley

4-G-11311. With loose hollow pin, hard maple sheave, 6 inch. Price, each......**15c**

Wood Frame Hay Fork Pulley

(Self Oiling)

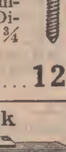
4-G-11313. Frame and sheave are made of the best hard maple, fitted with wrought iron yoke, malleable iron eye and swivel springs—the most durable hay fork pulley manufactured. Price, each.........**20c**



Steel Yoke Knot-Passing Pulley

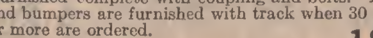
4-G-11315 With maple sheave. 6 inch diameter. Price, Each....**45c**

Floor Hooks



4-G-11325. Used to screw to floor to hold pulleys. Diameter, ¾ inch. Price, Each.....**12c**

Double Angle Steel Track



4-G-11319. Made only in five and ten foot lengths. Furnished complete with coupling and bolts. Two end bumpers are furnished with track when 30 feet or more are ordered. Price, per foot...............................**18c**

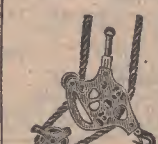
Steel-Track Hanging Hooks

4-G-11321. For double steel angle track. Price, each..........**14c**

Wood Track Hanging Hooks

4-G-11323. 14 inches along the bend. Price, each..........**14c**

Self-Locking Sling Pulley

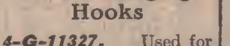


4-G-11333. Can be used in connection with our Double Swivel Hay Carrier. The simplest and strongest sling pulley ever offered. It has no springs, and regardless of how large or how small the load of hay is in the wagon sling it will lock at any place.

When the knob of the Sling Pulley enters the Hay Carrier, the entire weight of hay is on this knob and throws the lock against the rope between the two pulleys and when the load is dumped and Hay Carrier is returned and strikes the stop block, the knob drops, the sling pulley is unlocked and is ready for another load. Price...............................**$2.70**

Rope Hitch With Swivel Hook

4-G-11317. Malleable iron. Will take rope up to 1 in. Each..**24c**



Joined Hanging Hooks

4-G-11327. Used for hanging wood track to beams without using rafter brackets. Price, each.......**15c**

Galvanized Hay Carrier Cable

2-G-11353. ½ inch diameter, composed of 7 wires. Price, per foot.....................**5c**

2-G-11355. Clamps for cable Hay carriers. Price, each...................................**30c**

2-G-11357. Collars for cable Hay carriers. Price, each...................................**22c**

Pure Manila New Rope

2-G-11617.

Made of selected long pure Manila fiber. The ⅜ inch is used for the Trip and the ¾ inch is generally used for the Carrier, although in connection with our outfits either the ⅞ inch or the 1 inch rope can be used.

Size Inches	Price Per 100 ft.	Size Inches	Price Per 100 ft.
¼	$0.50	⅞	$5.60
⅜	1.00	1	6.75
½	1.90	1⅛	9.00
⅝	3.10	1¼	10.50
¾	4.00	1½	15.00

Single Harpoon Hay Fork

4-G-11335. Regulation size, made of best materials. Price, each...........**$2.45**

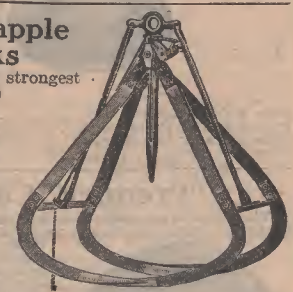
Double Harpoon Hay Forks

4-G-11337. Short tine double Harpoon Hay Fork, 25 inch tine, 16 inches between points. Made of best quality material. Price, each..............**$2.10**

4-G-11339. Long tine, Double Harpoon Hay Fork, tines 30 inches long, 16 inches between points. Price, each...........**$2.35**

4-G-11341. Double Harpoon Hay Fork, 34 inch tines, 22 inches between points. Designed for handling alfalfa and straw. Can be used, however, for handling any kind of hay. Price, each.............................**$3.60**

Hay Grapple Forks



The best and strongest Grapple Forks manufactured.

4-G-11343. 4 tine Grapple Fork for regular work. Price, each.....**$7.00**

4-G-11345. 6 tine Grapple Fork for short hay, loose straw. Price, each...**$8.85**

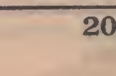
Adjustable Wagon Sling

Made for an 18 foot wagon rack. They can be made shorter for any size wagon by drawing the ropes through the wood bars and tying another knot on each side of wood bars. There is a center trip on all slings and they are fitted with the best and simplest lock.

An outfit generally consists of one sling pulley and three wagon slings, so as to take off an entire load in three lots. The trip rope is of proper length, permitting the sling to be easily tripped. Sling pulleys or sling carriers must be used with wagon slings.

4-G-11347. Length, 4 foot. Price, each...**$3.85**
4-G-11349. Length, 5 foot. Price, each... **4.35**
4-G-11351. Length, 6 foot. Price, each... **4.55**

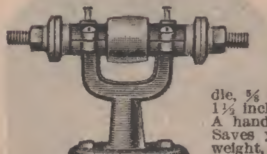
Rafter Brackets



4-G-11329. For Hay carrier track. Price, each...........**5c**

Two-Wheel Power Emery Grinders

No. 1 Two-Wheel Emery Grinder



$3.40

16-G-587. This sturdy little machine runs two wheels. Recommended size, 6x1, maximum wheel capacity, 8x1. Has ⅝ inch steel spindle, ⅝ inch between flanges, pulley 1⅞ inch diameter, 1½ inch face. Just the thing for the small work shop. A handy little grinder that you will use constantly. Saves your time and lessens your work. Shipping weight, 15 pounds.

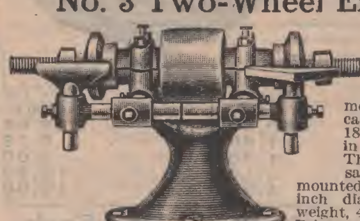
Price, not including stones **$3.40**

No. 1 Column. Weight, 50 lbs **$7.15**

6-Inch Wheel Guards, weight 9 lbs., per pair **1.80**

No. 3 Two-Wheel Emery Grinder

$11.50



16-G-589. Emery Grinder. Will run two wheels. Recommended size, 10x1½, maximum wheel capacity, 12x2. Has a steel spindle 18 inches long and 1⅛ inch diameter in bearings, 1 inch between flanges. The bearings are 3 inches long, and same style as engine-lathe bearings, mounted with brass oil cups. Pulley 3½-inch diameter, 2⅝-inch face. Shipping weight, 45 lbs.

Price, not including stones..... **$11.50**

No. 3 Column, weight 80 lbs **$12.00**

10-Inch Wheel Guards, weight 28 lbs., per pair **3.75**

Blacksmith and Garage Grinders, $24.85

These high grade Blacksmith and Garage Grinders, made in three sizes with wheel capacity of 10 to 18 inches. Strongly constructed; Babbitted long bearings; covered oil lubricators and longer in distance between wheels than average grinders of same capacity, making grinding of shares and irregular shaped castings very simple. Regularly furnished with tight and loose pulley, but single pulley furnished at same price when specified. Tool rests strong and adjustable. Largest size suitable for small foundry work.

Wheel Capacity 10 Inch to 18 Inch

SPECIFICATIONS

Machine No.	*16-G-C5*	*16-G-15*	*16-G-05*
Recommended Wheel Size.	10x2	14x2½	16x2½
Maximum Wheel Size.	12x2½	16x3	18x3
Length of Spindle ...	24″	32″	40″
Diam. of Spin'le in Bearing..	1⅛″	1⅜″	1⅝″
Diam. of Spin'le Between Col.	1″	1¼″	1¼″
Distance Between Wheels	17″	22″	29″
Hght. Floor to Center of Spin.	36″	30″	30″
Size of Pulleys	3¾x3	4½x4	4½x4
Length of Bearings...	4″	6″	8″
Ship. Wt. without Guards.	100 lbs.	150 lbs.	225 lbs.
Shipping Wt. of Guards...	28 lbs.	45 lbs.	55 lbs.
Price without Rests..........	$20.00	$26.60	$37.00
Price Extra for Rests..........	1.20	3.70	4.40
Price Extra for Guards..........	3.65	5.30	7.30
Price Complete..........	24.85	35.60	48.70

"Premier" Corundum Wheels

These wheels are made with the grain running from fine to coarse and of proper hardness to meet the requirements for any kind of grinding.

When ordering be sure and state what kind of material you wish to grind. Whether it is for steel or iron or for edge tools and if for wet or dry grinding. Always mention number, diameter and thickness of wheel and size of hole in center.

No. 16-G-2528.

Diam. Ins.	Thickness, Inches ¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2
2	0.22	0.25	0.31	0.33	0.35	0.42	0.46	0.51	0.57	0.63
3	.29	.34	.35	.42	.43	.50	.57	.63	.72	.83
4	.42	.43	.50	.53	.57	.66	.78	.85	.95	1.06
5	.51	.57	.65	.72	.78	.92	1.04	1.17	1.29	1.42
6	.65	.75	.82	.92	1.00	1.17	1.35	1.50	1.67	1.85
7	.78	.91	1.01	1.11	1.22	1.47	1.66	1.91	2.13	2.33
8	.92	1.16	1.20	1.35	1.50	1.77	2.05	2.35	2.64	2.92
10	1.22	1.47	1.67	1.91	2.11	2.55	2.98	3.47	3.97	4.47
12	1.57	1.77	2.05	2.33	2.65	3.27	3.90	4.47	5.06	5.67
14	....	....	2.64	3.06	3.50	4.33	5.17	6.02	6.87	7.72
16	....	....	....	....	4.48	5.60	6.73	7.88	9.01	10.15

PREMIER SPECIAL SAW GUMMER-CORUNDUM WHEELS

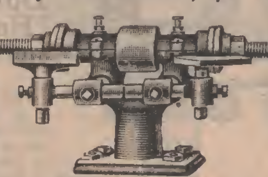
These wheels are made especially for saw gumming purposes and are guaranteed not to burn or harden steel. They cut fast and leave the saw teeth free from burrs or rough edges.

When ordering be sure and state diameter, thickness of wheel and size of hole in center. 16-E-2659, Round Face; No. 16-E-2660, Bevel Face.

Diameter	Thickness, Inches ¼	⅜	½	¾
6 Inches............	$0.75	$0.85	$0.90	$1.10
8 Inches............	1.00	1.15	1.30	1.65
10 Inches............	1.35	1.65	1.85	2.30
12 Inches............	1.85	1.95	2.25	2.90
14 Inches............	....	....	2.90	3.85

No. 2 Two-Wheel Emery Grinder, $6.75

16-G-588. This machine will run two wheels. Recommended size, 8x1¼, maximum wheel capacity, 10x1½. Has a steel spindle ⅞ inch in bearing, ¾ inch between flanges. The bearings are 2 inches long, made with caps, and are adjustable. Mounted with brass oil cups, pulley 2⅜ inch diameter, 2 inch face. Shipping weight, 25 lbs.



Price, not including stones **$6.75**

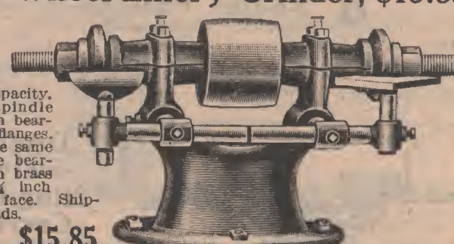
No. 2 Column, weight 60 lbs **8.05**

8-in. Wheel Guards, wt. 18 lbs., per pair **2.70**

No. 4 Two-Wheel Emery Grinder, $15.85

16-G-590.

Emery Grinder. Will run two wheels. Recommended wheel size, 12x2; maximum wheel capacity, 14x2. Has steel spindle 1⅛ inch diameter in bearings, 1 inch between flanges. The bearings are the same style as engine-lathe bearings. Mounted with brass oil cups, pulley 4¼ inch diameter, 3½ inch face. Shipping weight, 75 pounds.



Price, not including stones............ **$15.85**

No. 4 Column, weight 100 lbs **$14.90**

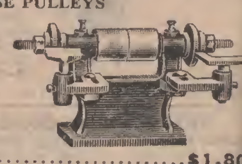
12-inch Wheel Guards, weight 38 lbs., per pair **5.35**

14-inch Wheel Guards, weight 45 lbs., per pair **7.30**

No. 10 Two-Wheel Emery Grinder, $4.50

WITH TIGHT AND LOOSE PULLEYS

16-G-407. A durable grinder for light tool and general work; will run two wheels. Recommended wheel size, 6x1, maximum wheel capacity, 7x1. Has steel spindle, 12¼ inches long, pulley, 1⅞ diameter by 1½ inch face, ½ inch between flanges. Two rests can easily be adjusted or removed. Shipping weight, 20 lbs.



Price, not including stones **$4.50**

No. 10 Column, weight, 55 lbs **$8.05**

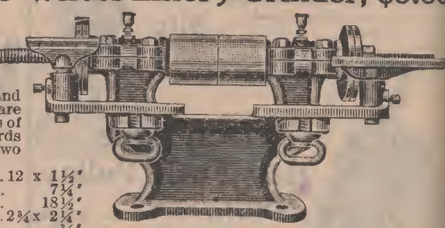
6 inch Wheels Guards, weight 9 lbs., per pair **$1.80**

No. 400 Two-Wheel Emery Grinder, $8.80

WITH TIGHT AND LOOSE PULLEYS

Long Babbitted bearings, easily adjustable tool rests and large wheel capacity are the distinctive features of this machine. Guards attach to head. Runs two wheels 10x1½.

Maximum wheel size... 12 x 1½″
Height spindle to table. 7¼″
Length of spindle...... 18½″
Size of pulleys........ 2¾x 2¼″
Bore of wheel......... ¾″
Dist. between wheels. . 12″
Shipping weight, 42 lbs.



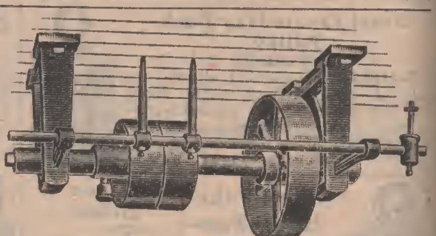
16-G-406. Price, $8.80
Not including stones.

Column for No. 400, weight 85 lbs........................ **$14.50**

Wheel Guards, weight 25 lbs., per pair **4.05**

Countershafts

These countershafts are of superior construction and guaranteed to be in perfect alignment. They are furnished complete with drive pulley, tight and loose pulleys, hangers, shifting rod and belt shifter.



16-G-597. Size No. 1.

Size of Drive Pulley.......8x2 inches
Size of Tight and Loose Pulleys................4x2 inches
Length of Shaft........... 18 inches
Drop of Hanger........... 6 inches
Diameter of Shaft......... ⅞ inch
Shipping Weight.......... 40 lbs.
Price........................**$6.40**
Will fit our No. 1 Bench Emery Grinder.

1-G-598. Size No. 2.

Size of Drive Pulley.......9x2½ inches
Size of Tight and Loose Pulley................4x2 inches
Length of Shaft........... 21 inches
Drop of Hanger........... 6 inches
Diameter of Shaft......... ⅞ inch
Shipping weight.......... 55 lbs.
Price........................**$8.25**
Will fit our No. 2 Bench Emery Grinder.

16-G-599. Size No. 3.

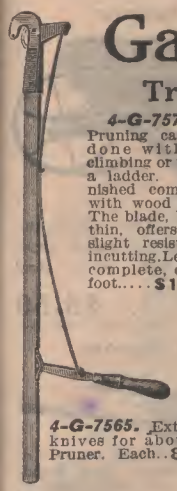
Size of Drive Pulley......10x3½ inches
Size of Tight and Loose Pulley............... 5x3 inches
Drop of Hanger.......... 8 inches
Length of Shaft.......... 24 inches
Diameter of Shaft........ 1 inch
Shipping Weight......... 60 lbs.
Price.......................**$10.00**
Will fit our No. 3 Bench Emery Grinders.

16-G-600. Size No. 4.

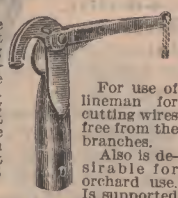
Size of Drive Pulley......12x4 inches
Size of Tight and Loose Pulley............... 5x3 inches
Drop of Hanger.......... 8 inches
Length of Shaft.......... 26 inches
Diameter of Shaft........ 1⅛ inches
Shipping Weight......... 70 lbs.
Price.......................**$13.15**
Will fit our No. 4 Bench Emery Grinder.

Garden Implements and Tools

Tree Pruners



4-G-7575 Pruning can be done without climbing or using a ladder. Furnished complete with wood pole. The blade, being thin, offers but slight resistance in cutting. Length complete, eight foot..... **$1.25**

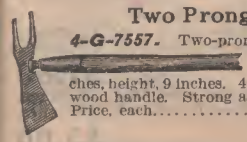


For use of lineman for cutting wires free from the branches. Also is desirable for orchard use. Is supported by a rope, tied in the end of a lever. When released the spring opens the blade. Socket is threaded and can be readily screwed on pole of any required length.

4-G-7565. Extra knives for above Pruner. Each..8c

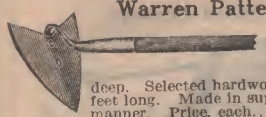
4-G-7567. Price is for Pruner only and does not include pole or rope. Price..... **$1.30**

Two Prong Hoe



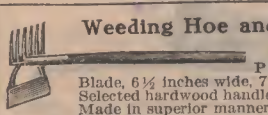
4-G-7557. Two-pronged forged tempered steel blade. Width, 3½ inches, height, 9 inches. 4-foot selected hardwood handle. Strong and durable. Price, each..... **33c**

Warren Pattern Hoe



4-G-7559. Polished steel blade, 6½ ins. wide, 7½ ins. deep. Selected hardwood handle, 4½ feet long. Made in superior manner. Price, each..... **50c**

Weeding Hoe and Rake

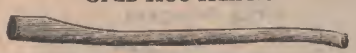


4-G-7561. Polished steel Blade, 6½ inches wide, 7½ inches deep. Selected hardwood handle, 4½ feet long. Made in superior manner. Price, each..... **95c**

Hand Cultivator

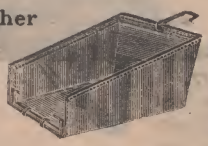
4-G-7555. Strong and substantial. Has 5-foot pointed forged tempered steel teeth, 4-foot selected hardwood handles. Price..... **90c**

Grub Hoe Handle



4-G-7521. Selected Hickory handle, length, 36 inches. Price, each..... **34c**

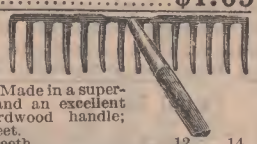
Grass Catcher



4-G-7649. Adjustable grass catcher. Made of striped canvas, galvanized steel bottom, steel wire frame to fit 12 to 14 inch mower..... **95c**

4-G-7651. To fit mowers 16 to 20 inches wide. Price, each..... **$1.05**

MALLEABLE IRON RAKES



4-G-7563. Made in a superior manner and an excellent value. Hardwood handle; length, 5½ feet.

Number of Teeth	12	14
Price, each	43c	46c

REVERSIBLE LAWN RAKES

4-G-7513. A great favorite. Can be used for grass or leaves, has 24 heavy steel wire teeth, 6-foot selected hardwood handle. Price, each..... **49c**

BRACED STEEL GARDEN RAKE

4-G-7537. The very best garden rake made, fitting head in one piece of solid steel. Steel bows well braced. Selected hardwood handles.

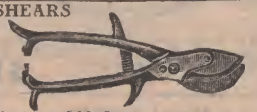
No. of Teeth	12	14
Length handle, feet	5½	6
Price, each	90c	98c

CALIFORNIA PATTERN PRUNING SHEARS

4-G-7545. Extra quality black finish Steel Blade. Malleable handle, volute steel spring. Length, 9 inches. 2½-inch blade. Price, each..... **75c**

4-G-7547. Extra Quality California Pruning Shears. Bright nickel plated. 2½-inch finely tempered steel blade. Length, 9 inches. Fully warranted..... **$1.85**

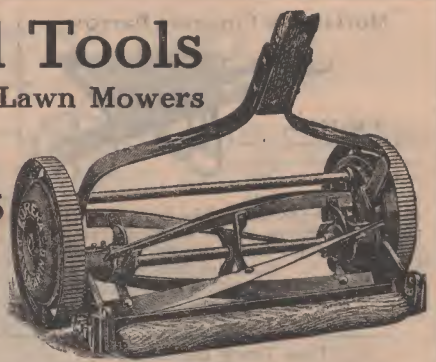
PRUNING SHEARS



4-G-7539. Malleable iron handles. Spiral brass spring and link. Length, 9 inches; 2¼ inch steel blades. Price, each..... **14c**

4-G-7541. Henry Pattern Pruning Shears. With a volute steel spring. Black japanned handles. Fine tempered steel blade. Length, 8½ inches. Fully warranted. Price..... **60c**

Lawn Mowers



$6.75 and up

These **Light Running** Lawn Mowers are manufactured especially for us in one of the most modern lawn mower factories in this country. These machines embody all latest improvements. The simple construction and quick adjustment being special features of our lawn mowers.

The Eureka and Premier Mowers are **Ball Bearing** type and are guaranteed by us to be the equal of any lawn mower manufactured regardless of price.

Our Comet Mower is of the **Bronze Roller Bearing type** and second in quality only to our ball bearing mowers. Every lawn mower is guaranteed perfect in material and workmanship and will give lasting satisfaction.

Comet Lawn Mower

Wheels 8⅝ inches. High grade brass bearings. Three blade, 5½ inch cutting cylinder, continuous shearing. Well made, accurately adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-G-7601	12	40	**$6.75**
4-G-7603	14	42	**7.15**
4-G-7605	16	44	**7.50**

Premier Lawn Mower

Ball bearing. Drive wheels, 10 inches in diameter with extended rim. The ratchet is noiseless and positive in action. Four crucible steel blades, finely tempered. Easily adjusted.

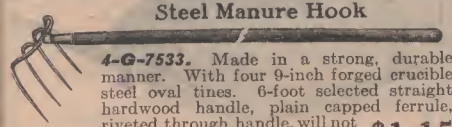
Number	Blade, inches	Weight, pounds	Price Each
4-G-7609	14	53	**$11.95**
4-G-7611	16	56	**12.50**
4-G-7613	18	59	**13.00**
4-G-7615	20	62	**13.80**

Eureka Lawn Mower

A ball bearing, 9-inch wheel with extended rim, four fine tempered and ground crucible steel blades. Cutter bar is strong and ground to accurate edge. Cutter bar knife is adjustable.

Number	Blade, inches	Weight, pounds	Price, Each
4-G-7645	14	46	**$10.90**
4-G-7646	16	48	**11.25**
4-G-7647	18	50	**11.60**

Steel Manure Hook



4-G-7533. Made in a strong, durable manner. With four 9-inch forged crucible steel oval tines. 6-foot selected straight hardwood handle, plain capped ferrule, riveted through handle, will not pull off. Price..... **$1.15**

Steel Potato Hook

4-G-7535. Made in a strong, durable manner. Four diamond back crucible tines; length, 6½ inches; 4½-foot extra quality hardwood handle. Plain capped ferrule, riveted through handle; will not pull off. Price..... **$1.05**

Solid Socket Field Hoe

4-G-7551. A heavy, strongly made, durable Hoe. Suitable for any general field work. Blades are made of high grade forged steel. Heavy one piece steel sockets. Extra quality hardwood handles. 7-inch hoe has 5-foot handle; other sizes, 4½ feet.

Width of blade, inches	6	6½	7
Price, each	70c	75c	80c

Manure Forks

4-G-7527. Strong, durable fork, exceptionally well made. Has 12-inch polished crucible oval steel tines. 4½-foot extra quality bent hardwood handle. Capped and strapped ferrules.

No. of tines	4	5	6
Price, each	$1.25	$1.45	$1.75

4-G-7531. Extra well made. Has 12-inch polished crucible oval steel tines. Extra quality bent hardwood handle, malleable "D" heads, hardwood grips. Capped and strapped ferrules.

No. of tines	4	5	6
Price, each	$1.30	$1.70	$1.90

LONG HANDLE MANURE FORKS

4-G-7525. A strong, well made fork. 12-inch oval polished crucible steel tines. 4½-foot selected bent wood handle. Plain capped ferrule.

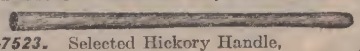
No. of tines	4	5	6
Price, each	85c	$1.10	$1.70

"D" HANDLE MANURE FORKS

4-G-7529. Strongly made and well finished. Polished oval steel tines. Selected bent wood handle, malleable "D" heads, hardwood grips. Plain capped ferrules.

No. of tines	4	5	6
Price, each	$1.12	$1.34	$1.53

Hazel or Planter's Eye Hoe Handle



4-G-7523. Selected Hickory Handle, length, 5½ ft. Price, each..... **40c**

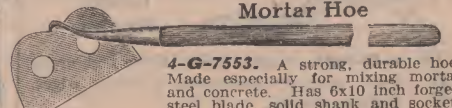
4-G-7517. Adze Eye Hazel Hoe. 6 inches wide, 10 inches long. Weight, about 3 pounds. Price..... **97c**

4-G-7515. Adze Eye Grub hoe. 4-inch cut, weight, about 3½ lbs..... **59c**

4-G-7519. Planters' Eye Hoe. Solid forged steel. Weight, about 1½ lbs.

Size, inches	Price, each
7	45c
7½	47c
8	51c

Mortar Hoe



4-G-7553. A strong, durable hoe. Made especially for mixing mortar and concrete. Has 6x10 inch forged steel blade, solid shank and socket. 6-foot selected hardwood handle. Price, each..... **$1.15**

Mortar and Concrete Barrow

4-G-10103. The only deep tray mortar barrow equipped with a seamless steel tray—no rivets or spot welds—no leaks. The extra heavy, one-piece tray dumps clean, 38x25 in. on top, capacity 4 cubic feet. Sturdy 16 in. wheel, tire 1½x⅜ in. Extension handles and angle iron wheel guard permits of forward dumping. Shipped knocked down.
Weight, about 70 pounds.......... **$8.50**

Garden Barrow

4-G-10117. Made of selected hardwood. Strongly constructed with steel braces, painted and varnished in a superior manner. Removable sides. Bed length, 28 inches. Width at handles, 20 inches, depth, 12 inches. 20-inch improved steel wheel with malleable hubs. Tire 1½ inches wide. Weight, about 55 pounds.. **$5.75**

Steel Tray Barrow

4-G-10115. Handy, sturdy steel tray barrow for general purposes. Painted and varnished throughout. Tray, 28x32 in., pressed from No. 18 Gauge annealed, sheet steel. Capacity 3 cubic feet. 16 in. steel wheel with malleable iron hub.
Weight, about 47 pounds......... **$5.50**

Pan Tray Barrow

4-G-10127. A great favorite with the contractors. Seamless, No. 16 Gauge steel tray 29½x37 in. on top, capacity 4 cubic feet, mounted on wooden risers. Heavy angle iron legs, securely braced, angle iron wheel guard. Straight grain, hard wood handles, 1¾x2¼ in. 16 in. steel wheel with malleable hub.
Weight, about 65 pounds.......... **$7.75**

Coal Barrow

4-G-10101. The most popular barrow among coal dealers for use in the yard or on the wagon. Especially designed for dumping to chute or window. Tray of 16 gauge sheet steel, 44 in. long, 27 in. wide at handles and 20 in. wide at wheel. Greatest depth 15½ in., 10 in. deep at handles. On slant in front, 25 in. Equipped with 17 in. steel wheel, 1¾x⅜ in. tire, ⅝ in. axle. Capacity, 350 lbs. coal.
Price.............................. **$15.00**

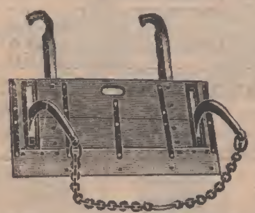
Tubular Steel Barrow

Made entirely of steel. For handling coal, mortar, concrete, etc. Note the wheel under the load, due to double bend in frame.

4-G-10129. Seamless steel tray, 18 gauge, 32x28 in. 7 in. deep at wheel, 5 in. at handles. Capacity, 3 cu. ft.
Price.............................. **$7.50**

4-G-10131. Seamless steel tray, 16 gauge, 37x29½ in. 9 in. deep at wheel, 6½ at handles. Capacity, 4 cu. ft.
Price.............................. **$9.00**

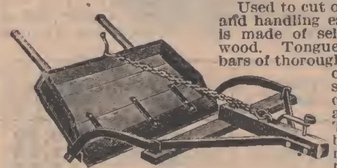
Doan Ditch Scraper



Commonly called "back filler." Used to cut or fill ditches and leveling roads. Made of selected hardwood heavily strapped with ⅛-inch iron bands, and securely bolted. Hard steel bit, made of No. 7 gauge steel. Fitted with regular plow handles and draw bars especially bent from steel 1¾x⅝ inches, to which is attached a heavy chain. Shipped from Factory, Central Ohio.

4-G-10125. Doan Scraper. Weight, 83 pounds. Price..................... **$8.50**

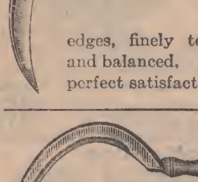
Chicago Tongue Scraper



Used to cut or fill ditches and handling earth. Body is made of selected hardwood. Tongue and crossbars of thoroughly seasoned oak heavily strapped, securely bolted and riveted. The draw bars are made of extra quality steel, 1½x½ inches. Malleable iron shoes are used, which are superior to steel, being thicker and will last longer. Made with square holes for the shoulder of the bolt. When the nuts are tightened the bolt cannot turn. There is also a socket for the head of the bolt to rest in. Weight, 135 pounds. Shipped from Factory, Central Ohio.

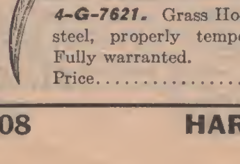
4-G-10133. 48-inch Chicago Tongue Scraper. Price....................... **$9.45**

Improved Scythe Pattern



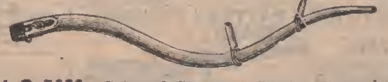
4-G-7623. Grass Hook and Lawn Trimmer. Has crucible steel cutting edges, finely tempered, properly shaped and balanced, Guaranteed to give perfect satisfaction. Price......... **45c**

Grass Hooks



4-G-7621. Grass Hooks. Extra high grade steel, properly tempered, polished edges. Fully warranted.
Price............................ **50c**

Patent Loop Scythe Snaths

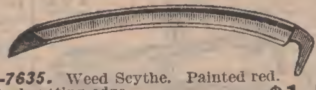


4-G-7639. Selected Seasoned Stock. Properly shaped, nicely finished and varnished. With patent loop and wrench.
Price.............................. **$1.40**

Brush or Weed Snath

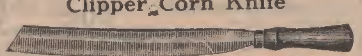
4-G-7627. Two Ring Brush or Weed Snath. Selected seasoned stock, nicely finished and varnished. With two loop fasteners.
Price.............................. **$1.90**

Weed Scythe



4-G-7635. Weed Scythe. Painted red. Polished cutting edge.
Price.............................. **$1.50**

Clipper Corn Knife

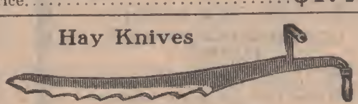


4-G-7655. Extra quality steel, carefully tempered and ground. Hardwood handle.
Price.............................. **35c**

Lightning Hay Knife

4-G-7661. Genuine Lightning Pattern Hay Knife. Made of the finest tool steel, hardened and tempered like a scythe and ground sharp.
Price.............................. **$1.45**

Hay Knives

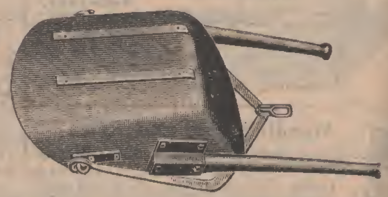


4-G-7659. Blizzard Pattern Hay Knife. Made of high grade tool steel, finely tempered.
Price.............................. **$1.45**

Steel Grass Shears

4-G-7617. High grade forged steel blade. Malleable iron shanks. Fully warranted.
Price....... **28c**

Ohio Road Scraper



Runners are ¼-inch steel put on with straight rivets. The bail, malleable swivel, also draw hooks and body, are of somewhat lighter material than used in our Premier Scrapers. The capacities are the same. The No. 1 weighs about 80 pounds; No. 2, about 70 pounds and No. 3 about 66 pounds. Shipped, Central Ohio.

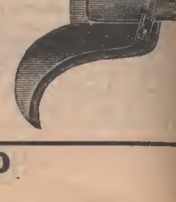
		3	2	1
4-G-10111.	Smooth bot....	$6.50	$6.80	$7.15
4-G-10113.	Double run....	7.10	7.45	7.70

Drag Scrapers

Made of 11 gauge high carbon steel. Have round back and curved bottom, reducing friction to a minimum. Have high sides, thus assuring the full capacity claimed.

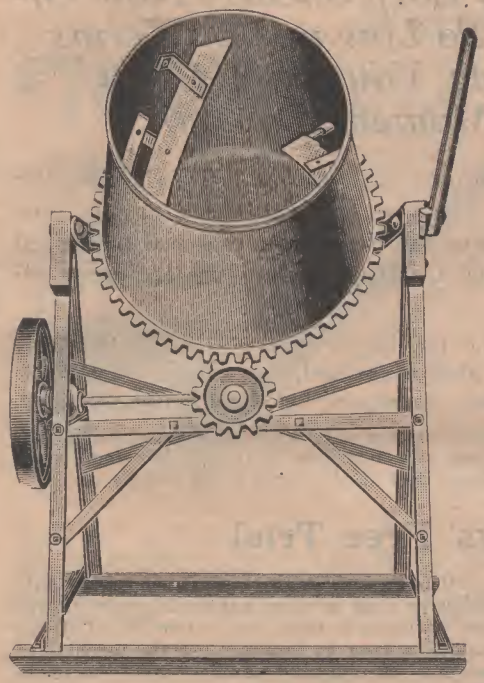
		No. 1 7 cu. ft.	No. 2 5 cu. ft	No. 3 3 cu. ft.
4-G-10105.	Without runners.	$8.35	$8.00	$7.70
4-G-10107.	With 2 runners...	9.00	8.70	8.30
4-G-10109.	With flat plate...	9.65	9.35	9.05

Bush Hooks With Handles



4-G-7657. Bush Hooks. Made from high grade tempered tool steel. Strong and serviceable. Complete with handle.
Price........... **$1.75**

CONCRETE MIXERS



$55

Capacity
3 to 3½ Cu. Ft.

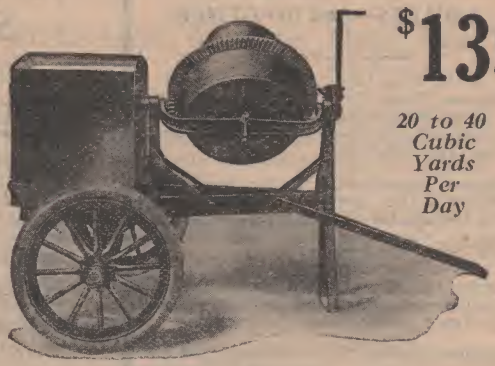
Mixes
a Batch
Every
Minute

Use 1½ H. P.
Engine

Made throughout of the best iron and steel with patented reverse unloading gear which forces a discharge by merely tipping the drum. Perfectly balanced and easy to work. Note the extreme simplicity of construction—the few number of parts. Everything easy to get at, nothing to get out of order to delay your work. Operates perfectly by hand or with a 1½ horse-power engine.

8-G-364. Harris concrete mixer for hand or power drive; pulley size, 16x3 inches; width, overall, 3 feet 6 inches; height, overall, 4 feet 6 inches; shoveling height, 3 feet; capacity, 3 to 3½ cubic feet; power required, 1½ H. P.; weight about 300 pounds.
Sale price, each..... **$55.00**

Harris Special Model Concrete Mixer Trailer



$135

20 to 40 Cubic Yards Per Day

SPECIFICATIONS

Truck—Wheels are 30″x3″ regular Ford wheels; 30″x3″ Pneumatic Tires of standard brand, with high grade tubes; tread is 4′ 6″; axle is 1 1/16″ axle steel; heavy brackets thoroughly fastened to axle by steel U-bolts support frame on axle; wheel hubs are steel, fitted with standard Ford bearings.

Frame—Frame is made of 4″ steel channel; heavy front and rear standards support the mixing drum, and all bearings are very broad and well supplied with oil cups; the hitch or tow-tongue is made of 1½x2″ angle and is 4 feet long; the supporting frame or leg is made of ⅜″x2″ bar and is well shaped and bolted to give the machine rigidity while operating on the job.

Drum—The mixing drum is 27″ in diameter and 24″ deep and has an 18″ opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum, combined with its shape and with the aid of four heavy mixing plows or blades, imparts to the batch a rolling, tumbling, plowing, churning motion that insures a thorough mix in one minute's time.

8-G-409. Length overall, without tow tongue, 5′ 3″; width, 5′; height, 5′; weight, 1,000 lbs.
Price, without engine..... **$135.00**

Harris Model "4" Mixer

$99.50

Capacity 20 to 40 Cubic Yards Per Day

This machine has a capacity of four cubic feet of loose material per batch or from twenty to forty cubic yards of mixed concrete per day. The front wheels are 18″ in diameter; rear wheels 24″ in diameter; tires are 3″ wide; tread in rear is 46″ and in front 28″; axles are 1 1/16″ steel and tongue is 44″ long.

The mixing drum is 27″ in diameter and 24″ deep and has 18″ opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum combined with its shape and the action of the four heavy mixing plows impart to the batch a rolling, tumbling, shifting, falling motion that insures a thorough mixing of the materials.

8-G-411. Overall dimensions are: length, 6′ 4″; width, 4′; height, 5′ 6″; weight, 1,100 pounds. Shoveling height, 3′ 4″.
Price, without engine..... **$99.50**

Harris Model "6" Mixer

$140.00

Capacity 30 to 60 Cubic Yards Per Day

8-G-413. Our Number "Six" mixer has a batch capacity of six cubic feet of loose material and a daily capacity of 30 to 60 cubic yards of mixed concrete.

The front trucks are 18x3″ with 28″ tread; rear trucks are 24x3″ with 48″ tread; axles are 1 1/16″ rolled steel; tongue is 44″ long.

The mixing drum on this Number Six model is 31″ in diameter by 28″ deep and the opening is 21″.

The length overall is 7′; width, 4′ 4″; height, 6′; weight 1,650 lbs.; shoveling height, 3′ 6″.
Price, without engine..... **$140.00**

Famous Watts Corn Shellers

A Few Reasons

Why You Too Should Own A WATTS—And NO OTHER

Because Watts Corn Shellers, in all sizes, are "The World's Best" machines; still you can buy them from us under most liberal terms at big price reductions.

Because these shellers are the most simple machines of their kind ever built—about one tenth the number of working parts as compared to other cornshellers—nothing to get out of order. No delays or waiting for repairs

Because of their splendid construction and durability—no springs and nothing to wear out. Fewer bearings—less wearing parts.

Because they are the most economical corn shellers to operate. They give you greater capacity and require less power than any other corn sheller.

Because of their big capacity, they do your shelling in the least possible time and get all the corn.

Because they will shell corn in any condition. Irregular sizes, smallest to largest size ears—hard or soft—green or dry. Watts Shellers always shell perfectly and never crack the kernels.

Because any Watts Sheller gets all the corn on the cobs and will pay you a profit on the corn you have not been getting.

Because they have been manufactured and distributed for many years and have always proved themselves to be the best and most efficient corn shellers on the market.

Because there is a size to meet every requirement featuring finest workmanship, greatest durability, utmost efficiency, biggest capacity, least power and lowest prices.

The World's Best Corn Shellers Now Offered at Prices So Low and on Terms So Reasonable You Should Not Delay a Moment Longer

Even though you have no immediate use for a Corn Sheller, we urge you to buy now. All machines in stock at the present time ready for immediate shipment are made from material purchased by the Watts Manufacturing Company before the big price advances of the past year.

Corn growers in every section of the country are getting the full benefits of this great sale. Wherever corn shellers are used, you will find these Watts Machines, the world's best, strongly represented—the choice of men who know.

And remember, this great sale of ours not only offers these famous machines at big price reductions, but you can now buy your Watts Sheller under most liberal terms of payment, as fully outlined on the pages which follow.

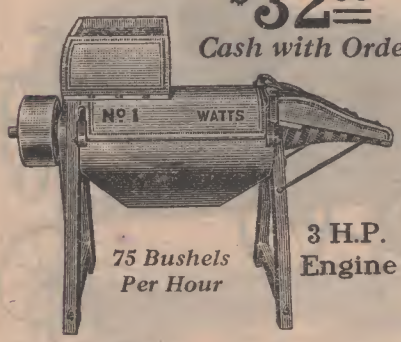
30 Days' Free Trial

Whether you send us cash in full with your order, deposit the money with your banker or buy your corn sheller on time in three payments, we want you to distinctly understand that your purchase is made under our liberal 30-day Free Trial. This will give you sufficient time to test and use the machine on your own work and convince yourself of the splendid purchase you have made.

Liberal Guarantee

We insist that you be satisfied in every way with your purchase of any Watts Corn Shelling Outfit before we will consider the transaction closed. If you do not find the corn sheller sent you to be exactly as pictured and described in the pages of this book—or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be promptly returned without question or quibble.

$32.50
Cash with Order



This is the Smallest of the Watts Corn Sheller line. Recommended for shelling Feed Corn.

Watts No. 1 Corn Sheller

This sturdy little machine is just the size for the man wishing to shell only enough corn for his own needs. It has a capacity of 75 bushels an hour and can be operated to best advantage with a 3 H. P. engine.

The Ears Do the Shelling in Watts Shellers

A heavy cast iron cylinder, with lugs set in staggered rows, serves to keep the ears in motion. These lugs are set in spiral fashion so as to carry the cobs from one end of the shelling jacket to the other.

The No. 1 Watts Corn Sheller has proved to be very popular among stock feeders and farmers with small power. It shells the corn clean from the cob. When so desired, the bran and soft tips of the cobs can be removed with the corn. Many feeders are replacing their cob crushers with a Watts No. 1 Sheller. This machine will shell ears of any size, in any condition, if clean husked.

36-G-900. Watts No. 1 Sheller, capacity 50 to 75 bushels per hour, length 3 feet 7 inches, width 3 feet, height 3 feet 9 inches, speed 800 R. P. M., equipped with 8x4 inch drive pulley. Weight 180 pounds.

Price, cash after 30 days..... **$33.50**

An Important, Exclusive Feature of Watts Construction

The heavy cast iron cylinder, illustrated at the right, is what does the work in the Watts No. 1 and No. 10 Shellers. It is mounted on a heavy steel shaft running in babbitted bearings. The lugs serve to keep the ears in motion, and being set on the cylinder in spiral fashion, carrying the cobs from one end to the other, the Watts Sheller cleans the cob without cracking the kernels.

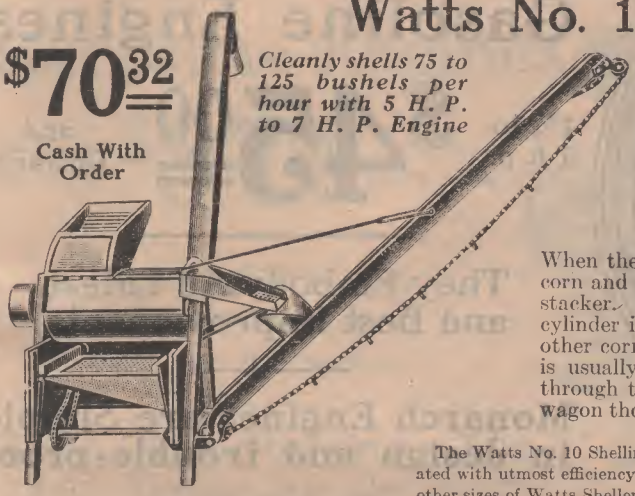
At Big Price Reductions!

Watts No. 10 All Metal Corn Sheller

$70.32

Cash With Order

Cleanly shells 75 to 125 bushels per hour with 5 H. P. to 7 H. P. Engine



The above illustration shows a Watts No. 10 Corn Sheller. It is 3 ft. long, 3 ft. wide, 4 ft. high. It is furnished complete with 8 ft. corn elevator and 10 ft. cob stacker. Lagged drive pulley 8 in. diameter, 6 in. face, speed 800 R. P. M. Shipping weight, complete as illustrated, 500 pounds.

To Take Care of Your Own Needs and Those of a Few Neighbors

This machine is constructed along the same lines as the Watts No. 1 Machine, except that it has a larger capacity and is equipped with a cob stacker and grain elevator. It shells, cleans and loads all the corn and stacks the cobs.

When the shelled corn leaves the shelling jacket, the separation of the corn and cob takes place instantly. The cobs are elevated by the cob stacker. Any corn which remains on the cobs after they leave the cylinder is removed by the oscillating sieve and drops down with the other corn on the cleaning sieve. In this way the corn is saved which is usually thrown out with the cobs. When the corn drops down through the sieve, it is spouted upward through the elevator into your wagon thoroughly cleaned by the cleaning fan.

The Watts No. 10 Shelling Outfit has a capacity of from 75 to 125 bushels per hour and can be operated with utmost efficiency from any engine developing from 5 H. P. to 7 H. P. This machine and all other sizes of Watts Shellers are sold through either of three plans, which are described in detail at the foot of this page. And remember that, regardless of which plan of payment you choose, you are under no obligations to keep the machine if after 30 days you find that it does not do every bit as much as we claim for it.

36-G-901. **Watts No. 10 Corn Shelling Outfit,** with cleaning system, cob stacker and grain elevator, complete; cash after 30 days..... **$72.50**

Watts No. 10 All Metal Corn Sheller

Complete With Automatic Feeder

This machine is identical with the No. 10 Sheller, but in addition it is equipped with an automatic feeder.

An automatic feeder is a very valuable asset to a corn shelling outfit in that it keeps the shelling chamber filled to just the right capacity to insure the greatest output of shelled corn at all times. It saves labor, time and corn.

The Watts No. 10 Corn Sheller with automatic feeder is just the outfit for the man who wishes to do all of his own shelling and in addition do some shelling for his neighbors.

This outfit is backed by the same liberal guarantee and is sold under the same terms that have made all sizes of Watts Shellers so popular among corn feeders everywhere. The 30-day free trial offer also applies to this outfit.

The difference in sale prices on this machine complete with automatic feeder and the Watts No. 10 without the feeder is but a matter of a few dollars that will be quickly saved in time, labor and corn.

36-G-902. **Watts No. 10 all metal Corn Shelling Outfit,** complete with an automatic feeder, cleaning system, cob stacker and grain elevator. Price, cash after 30 days..... **$92.50**

$89.72

Cash With Order

Capacity 75 to 125 Bushels Per Hour with 5 H. P. to 7 H. P. Engine

Cash With Order

Plan No. 1 By sending cash in full with your order, you will be allowed a discount of 3 per cent from the sale price mentioned at the end of the descriptive matter with each machine.

Cash After 30 Days

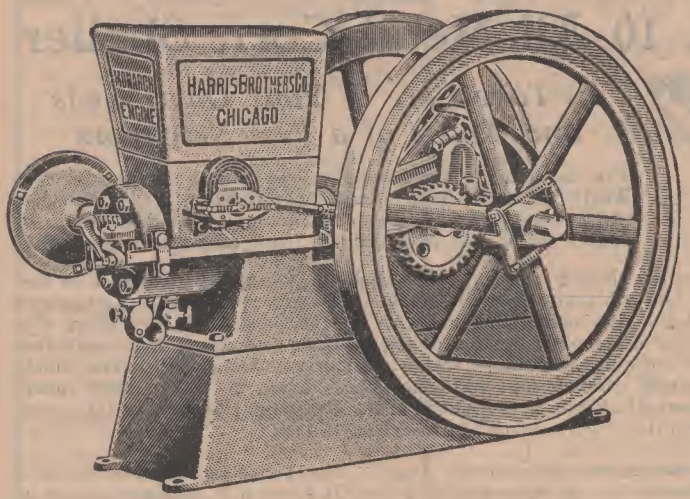
Plan No. 2 If you wish to examine and use the corn sheller for 30 days, send us a letter from your banker stating that the full sale price has been deposited with him, and will be sent to us when you are fully satisfied.

On Time 3-Payments

Plan No. 3 An extra charge of $2.50, on either the No. 1 or No. 10 is necessary under this plan. Send one-third of the amount with your order and blanks will be sent for your signature for balance to be paid one-third in two months and one-third in four months.

Reliable Monarch Engines

BUILT FOR GASOLINE OR KEROSENE



Monarch Gasoline Engine on Cast Sub Base

Gasoline Engines

1¾ to 7 h. p. **$45.00** and Upwards

They Embody All Latest and Best Improvements

Monarch Engines are Simple in design and trouble-proof

Throttle Governor insures smooth operation

Easy starting made certain by vaporizing fuel

Speed regulator adjustable while engine is running

Water spray valve for vaporizing fuel

Fuel economy: One-tenth gallon fuel per h. p. hour

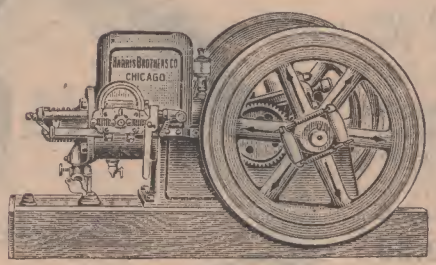
Conservative ratings develop 20 per cent over ratings shown

These Celebrated Engines

—now built for Harris Brothers Co.

THE BUILDERS of these high grade engines, like many other leading manufacturers, were willing to make the necessary price concessions in order that we might use our wonderful sales organization to acquaint thousands of engine users throughout the country with the one real successful gasoline or kerosene engine. Although they have been continually built and distributed for many years, this is positively the first time in their entire history that they have sold direct to the consumer at a price reduction. In every way we have investigated by actual test and convinced ourselves that Monarch Engines are the world's best before we were ready to distribute them. Read the conditions of our liberal terms, our free trial and guarantee forever—the greatest engine offer ever made.

Monarch Engines are all made complete by one of America's best equipped engine builders. The improved construction embodies all newest and best features with many additional exclusive points of merit. Always sure starting and steady running under any and all conditions. They are constructed throughout of finest material beautifully finished in red enamel artistically striped. Some of the main important features are the detachable cylinder head, perfect poppet valves, malleable iron "I" beam connecting rod, Webster oscillating magneto on all sizes. Note the additional features mentioned at the side of these pages.



1¾ H. P. Monarch Gasoline Engine

36-G-120. This Monarch Gasoline Engine is the ideal power for operating a small line shaft connected with your Cream Separator, Grist Mill, Fan Mill, Washing Machine, Grindstone or any other small farm machinery. It gives you full rated power at all times at lowest possible fuel expense. Although this is the smallest of the Monarch Engines, all splendid features are embodied in this construction. Monarch Gasoline Engine, size 1¾ h.p. (full explanation on opposite page).

Sale price..... **$45.00**

LIBERAL TERMS!

Time to Pay if You Wish!

You can buy your Monarch Engine in any size under most liberal terms: three ways to pay, as follows:

Plan No. 1 By sending cash in full with order you will be allowed a discount of 3 per cent, from these prices.

Plan No. 2 If you wish to examine and use the engine for thirty days, send us a letter from your banker stating that the full sale price has been deposited with him and will be sent to us when you are fully satisfied.

Plan No. 3 If you wish to buy your engine on time in three payments—an extra charge of $2.50 will be necessary to cover our bookkeeping expense. Send one-third of the amount with your order and blanks will be sent for your signature for the balance to be paid one-third in two months and one-third in four months.

Solve Your Power Problems!

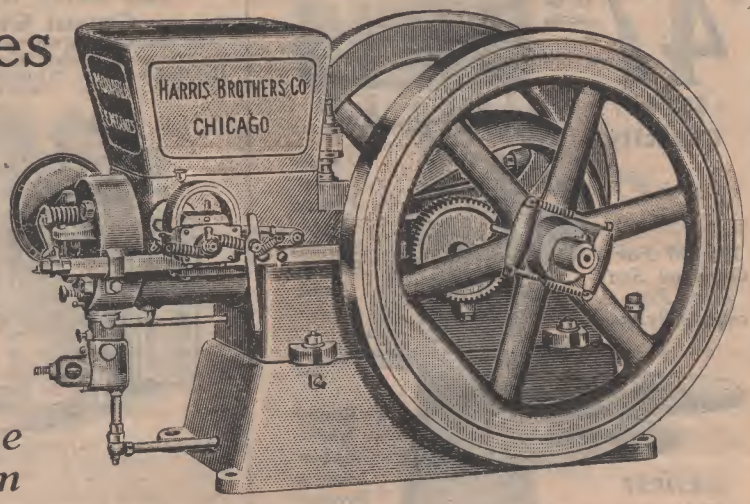
Webster Oscillating Magneto

Kerosene Engines

3 h. p. to 10 h. p. **$87.00** and Upwards

Throttling Governor
Webster Magneto
Kerosene Carburetor

Sure Easy Starting—The Ideal Engine for the Farm

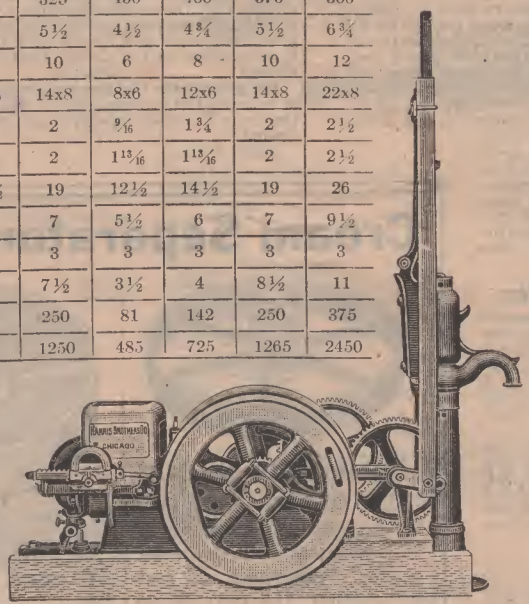


MONARCH KEROSINE ENGINE ON CAST SUB BASE

SPECIFICATIONS AND SALE PRICES

ORDER NO.	GASOLINE ENGINES				KEROSENE ENGINES			
	36-G-120	36-G-121	36-G-122	36-G-123	36-G-320	36-G-321	36-G-322	36-G-323
Size, H. P.	1¾	3	5	7	3	5	7	12
Price on skids	$45.00	$75.00	$100.00	$150.00	ON CAST SUB BASE ONLY			
Price on cast Sub base	.....	$79.00	$107.00	$160.00	$87.00	$113.00	$170.00	$290.00
Speed, R. P. M.	500	400	350	325	450	400	370	300
Bore, inches	3½	4½	4¾	5½	4½	4¾	5½	6¾
Stroke, inches	5	6	8	10	6	8	10	12
Pulley, inches	4x4	8x6	12x6	14x8	8x6	12x6	14x8	22x8
Diameter Crank Pin, inches	1¼	1 9/16	1¾	2	9/16	1¾	2	2½
Length Crank Pin, inches	1 9/16	1 13/16	1 13/16	2	1 13/16	1 13/16	2	2½
Length Connecting Rod, inches	10⅛	12½	14½	19	12½	14½	19	26
Length Piston, inches	4	5½	6	7	5½	6	7	9½
No. of Piston Rings	3	3	3	3	3	3	3	3
Fuel Tank, gallons	1	2½	2½	7½	3½	4	8½	11
Weight, Flywheel	34	81	142	250	81	142	250	375
Shipping Weight	225	475	715	1250	485	725	1265	2450

Monarch Pumping Outfits



Pump and Pump Standards Not Supplied

Includes regular Monarch Engine and geared pumping jack, mounted on wood skids. Jack is arranged for direct connection to pump standard; no belts. By taking out four lag screws the pumping jack can be removed and the engine run independently.

36-G-329. Monarch direct connected pumping outfit with 1¾ h. p. engine and single gear pump jack, height 20 in., 3¾ in. bore, 5 in. stroke, 18 in. flywheel, 5x5 in. pulley, wt. 360 lbs. **Price** **$60.00**

Kerosene carburetor designed for cheapest fuel

Cooling Hopper of special design prevents cracking from frost

Modern design embodying all good points

Drop forge crank shaft

Thick walled cylinder permits boring three times

Ignition Webster's oscillating magneto on all sizes

FREE TRIAL!

Guaranteed Forever!

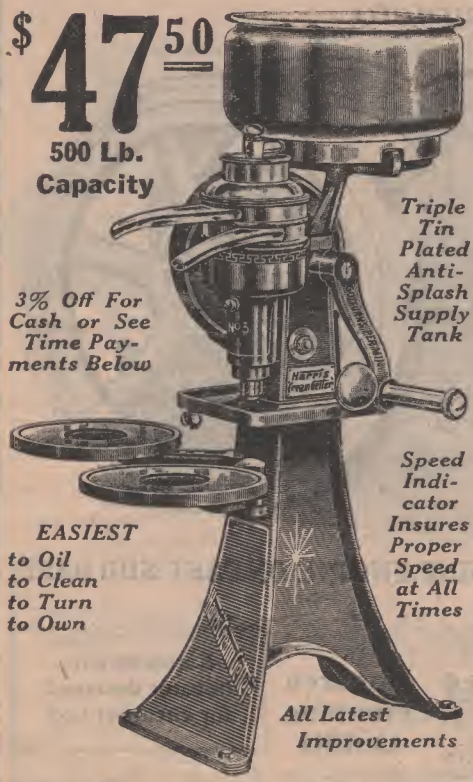
Whether you pay cash in full for your Monarch Engine or buy it under the conditions of our three payment plan, we will gladly send it to you on trial—our sole object being to satisfy you with your purchase.

We insist that you be satisfied in every way with your Monarch Engine before we will consider the transaction closed. If you do not find the engine we send you to be exactly as pictured and described in these pages, or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be returned without any question or quibble. Monarch Engines in all sizes as described on these pages are guaranteed by us to give you the satisfaction you have a right to expect, and if at any future time you find your engine to be defective in material or workmanship, we will cheerfully send you repair parts to place your engine in perfect condition—replace the engine with a new one or hand you back any amount of money you have paid us.

Wonderful Separator Bargains

$47.50

500 Lb. Capacity



3% Off For Cash or See Time Payments Below

Triple Tin Plated Anti-Splash Supply Tank

Speed Indicator Insures Proper Speed at All Times

EASIEST to Oil to Clean to Turn to Own

All Latest Improvements

Harris Cream Getter

In this wonderful 500-lb. capacity Harris "Cream Getter" we offer you a separator value that leaves all competition hopelessly behind. This separator is extremely popular—popular because of its handy size, popular because of its peerless skimming efficiency and extremely low price. In all parts of the country, at all seasons, it has carried off every farm test with flying colors.

Produced by expert separator builders in one of the finest, best equipped and most modern factories in the world, this latest model requires but one tool in the daily handling—the spanner part of the combination wrench. Has an oil splash lubricating system that never fails or goes wrong and many exclusive patented improvements to be found in no other machine.

Unusual Trial Offer

Try this separator for any reasonable time. You do not have to make up your mind in any certain number of days or weeks. See Guarantee alongside. Price below includes all accessories F. O. B. Lancaster, Pa., Chicago, or St. Paul, Minn., warehouses. Shipping weight, about 175 lbs.

No. 27-G-500. Size No. 5, 500 lb. capacity.
Special Sale Price..... **$47.50**

Dimensions: 24 inches to top of supply can. Capacity of supply can, fourteen quarts.

Easy To Buy

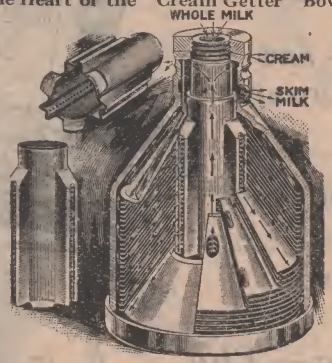
Plan No. 1. One third with your order and balance two months and four months to your own bank. Add $2.50 to printed prices for cost of handling. Give us the name of your bank.

Plan No. 2. Purchase price to be deposited with your banker thirty days. Send with your order a letter from your banker. Thirty days should be sufficient time for you to make up your mind.

Plan No. 3. Cash in full before shipment secures an additional saving of 3 per cent.

You Can't Beat the Cream Getter

As the bowl is the heart of a Cream Separator so is the Distributing Sleeve the Heart of the "Cream Getter" Bowl.



The above illustration shows the equalizing, distributing and clarifying sleeve and how it completes the proper bowl construction. This is what has been lacking heretofore in Cream Separators and what you need to get the greatest efficiency in the capacity desired with a lighter, easier turning bowl. Other exclusive improvements are the patented **Safety Steel Clutch, Radial Cushion, Neck Bearing Spring and Alarm Bell Speed Indicator.**

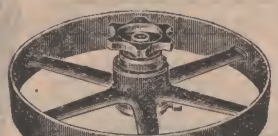
GUARANTEE

We guarantee the Harris "Cream Getter" Cream Separator to be the best you can buy regardless of name, price or make.

We guarantee that if, after you get the Cream Getter, within reasonable time you find you can get any other make at any price which is better according to capacity, we will give you return shipping instructions and refund all of the money you have paid us on the Cream Getter, plus freight charges.

We guarantee the Separator against defects in material and workmanship as long as it lasts and that we will supply repair parts should any ever be needed.

Cream Separator Pulleys

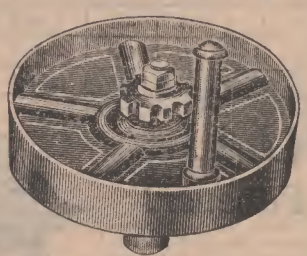


Harris Cone Clutch

The favorite clutch pulley on account of simplicity of operation and moderate price. Guaranteed to give satisfaction. Has never failed to give the best of service. 14 in., 2 in. crown face.

No. 27-G-125. Weight, 15 lbs..... **$4.50**

No. 27-G-126. 4 in. extension hub. Weight, 20 lbs..... **$5.00**



Multiple Disc "Cream Getter" Pulley

Made especially for "Cream Getters" and finished to match. Can be used for any Separator. Absolutely perfect in operation. Has fourteen steel discs which run in oil. Hub extended 5⅞ in. Ball bearings. Crank handle to be attached if power fails. 12 in. 2 in. face. Weight, 24 lbs.

No. **27-G-127.**
Special Sale Price..... **$10.00**

$30

Cream Getter Junior

Capacity 300 Lbs. Per Hour

Large Capacity—Low in Price—which is made possible by simplicity of construction and a large number of sales.

Our Regular Bowl as above illustrated, is furnished with the "Cream Getter" Junior.

All Gearing enclosed and oiled by Splash System. Latest design, same high grade material and workmanship used throughout as found in our regular Harris "Cream Getter."

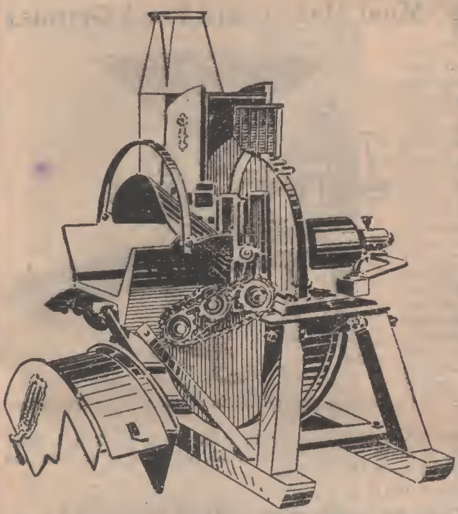
Do not waste money by giving your whole milk to the pigs or skimming by old-fashioned methods. Every ounce of butter fat means money to you.

The low price makes it possible for you to own this separator which will take care of the average small herd and pay for itself in a short while.

27-G-150. Without Stand.
Weight, 80 lbs. **$30.00**

27-G-151. With Stand as illustrated.
Wt., 110 lbs... **$37.50**

Rumely Advance Ensilage Cutter



The above cut shows the simplicity of the Rumely Advance Ensilage Cutter and gives an idea of the accessibility of all parts when the cover is removed. Note the sure-acting safety device and the provisions for a strong, solid machine throughout.

THE Big Complete Silage Cutter, all mounted complete on Steel Horse Trucks. Rumely Advance Silage Cutter is equipped with dependable sure-acting safety device. Can be fed from either side without any change whatever. The starting, stopping and reversing of the carrier can be done from one side or the other with equal ease. An iron yoke is placed directly over the hopper, extending from one side of the feed opening to the other. One end of this is connected with a clutch collar and bevel gear arrangement in such a manner that it can be used as a lever to start, stop, or reverse both the chain carrier and the feed rolls. The Advance Safety Cutter is equipped with one of the best sure-acting Safety Devices; in fact, is the pioneer machine of its kind to be so equipped.

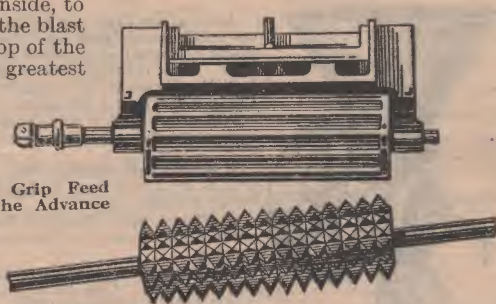
There are four cutter knives used in the Advance Silage Cutter. These are straight, efficient and strong. The chain carrier conveys the material that is to be cut into the feed rolls. It is made of hardwood slats, placed close together, so that no litter can drop between them. The slats are firmly riveted to a double sprocket chain.

The lower half of the drum case is made of heavy steel; being securely riveted, it adds strength in itself and gives support to the cross pieces. This heavy drum wears longer and being almost impossible to penetrate, it serves as a protection, if any foreign article gets into the machine.

The delivery pipe is made of No. 22 galvanized steel, 8 inches in diameter. On each end of each section a malleable iron ring is fixed. Each ring has eight holes. Only four of these are used at a time for bolting the sections together—the other four are provided, so that the pipe can be twisted around, as desired, to turn the distributor in any direction.

The delivery pipe is made light, so that it can be put up readily. It is made strong, so that it cannot easily be bent out of shape nor worn by the friction of the silage.

The delivery pipe used with the Advance Silage Cutter is not only smooth inside, to reduce friction; it is also made practically air tight, so that none of the force of the blast s lost on the way—it is all used to carry the silage to the top of the silo. The top of the distributor hood is reinforced by a steel sheet, where the silage strikes it with greatest orce in being deflected. This sheet resists the great wear at this point.



The Sure Grip Feed Rolls of the Advance Cutter.

Specifications are as follows:

Height of Feeding Table	46 inches
Width of Throat	15 inches
Capacity of Throat in square inches	90 inches

FAN CASE OR DRUM DIMENSIONS

Diameter inside	46 inches
Width inside	9½ inches
Clearance between fan and case	½ inch
Gauge steel used for rim	No. 10
For sides	No. 12

FRAME

Size of angle iron	3½x3½x⅜ inches
Size of wood sills	4x3¼ inches

DELIVERY PIPE

Diameter	8 inches
Made of steel gauge galvanized iron	No. 22

KNIFE DISC

Weight complete	375 lbs.
Diameter	34 inches
Thickness	1¼ inches
R. P. M.	600 to 900

KNIVES

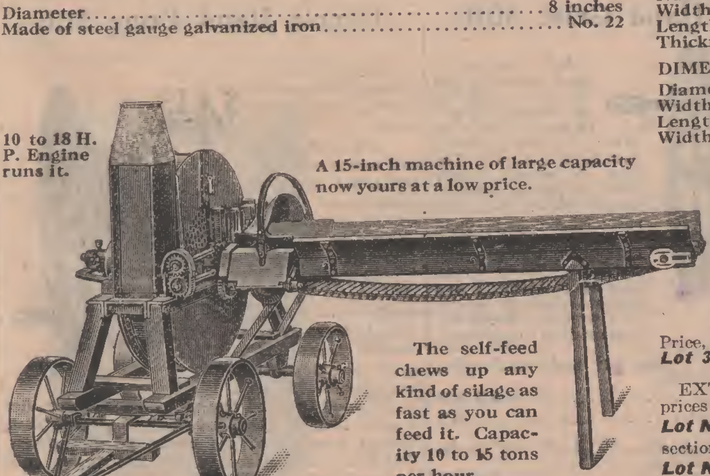
Number furnished	4
Width	3¾ inches
Length	18¼ inches
Thickness	⅜ inch

DIMENSIONS OF TRUCK

Diameter of wheels	22 inches
Width	3 inches
Length of hub	6 inches
Width of wheel track	57 inches

10 to 18 H. P. Engine runs it.

A 15-inch machine of large capacity now yours at a low price.



The self-feed chews up any kind of silage as fast as you can feed it. Capacity 10 to 15 tons per hour.

Equipment includes:—
Distributor hood for top of delivery pipe.
Feeding platform 30 inches wide and 6 ft. long, and
Galvanized delivery pipe as follows:

2—8 ft. sections
1—6 ft. section
1—4 ft. section
1—2 ft. section of 8-inch, 22 gauge galvanized pipe

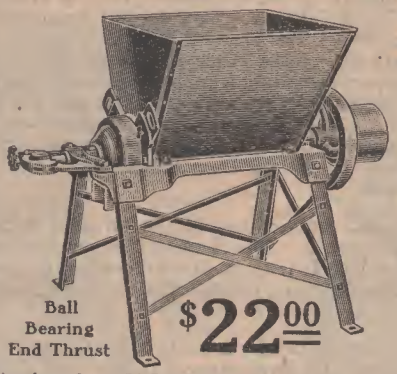
Price, complete, as above
Lot 36-G-1223 .... **$125.00**

EXTRA EQUIPMENT: The following extras will be furnished at the prices noted:

Lot No. 36-G-208. Hopper for end of distributor, when distributor section is used........ **$2.50**
Lot No. 36-G-209. Inside distributor section, 30 inches long...... **1.00**
Lot No. 36-G-210. Extra blower pipe, per foot........ **.50**

Improved Farm Implements

"All Purpose" Feed Grinder and Cob Crusher



Ball Bearing End Thrust

$22.00

16-G-7200. Made in two sizes, built entirely of steel and iron. Will grind ear corn, shelled corn, barley, rye, oats and any kind of grain separately or mixed. Burrs easily regulated for coarse or fine grinding, while machine is in motion. Cob breakers are bolted to sides and bottom of main frame; made of hard chilled iron, arranged in spiral fashion. All bearings fully babbitted. Burrs made of most durable metals for long service, being "Crow-foot Pattern."

No. 3 machine with two sets of 8-inch burrs, 35 lb. balance wheel pulley size, 8x6 inches, capacity, 10 to 30 bushels per hour, requiring from 3 to 6 H. P., speed, 300 to 700. Weight, 245 lbs. Price..... **$22.00**

Extra burrs, coarse or fine, per set..... **$1.35**

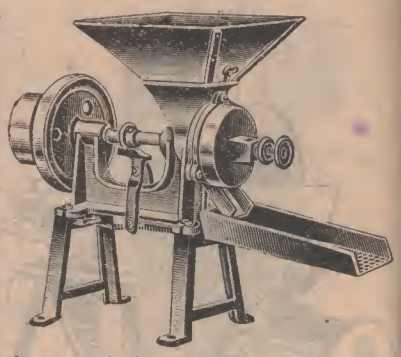
No. 14 Machine with two sets of 10-inch burrs, 55 lb. balance wheel, pulley size, 12x6 inches, capacity, 20 to 60 bushels per hour, requiring from 7 to 12 H. P., speed, 400 to 700. Weight, 355 lbs. Price..... **$30.65**

Extra burrs, coarse or fine, per set..... **$ 1.65**

5 ft. double sacking elevator for either size..... **16.00**

10 ft. wagon box elevator with swing spout for either size..... **22.65**

"Up-To-Date" Meal Maker and Feed Grinder



Our "Up-To-Date" meal maker is a combined feed grinder for stock and meal and flour maker for family and table use. It is built for engines or motors from 1½ to 4 H. P. The burrs are 5½ inches diameter, ground perfectly true, and made of the same hard white iron as used in the larger mills. They can be adjusted for fine or coarse grinding while running. It is furnished with Bolting Screen, fitted with cast iron legs and balance wheel like illustration. The perforated bolting attachment is operated by the roller cam and bolts Corn Meal, Graham Flour, etc. Grinds shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

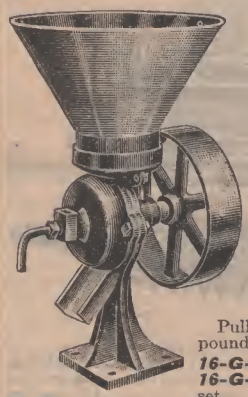
Pulley, 7 inch diameter, 4 inch face or 12 inch diameter, 3 inch face. Furnished with 2 sets of burrs. Capacity 5 to 22 bushels per hour at 150 to 400 r. p. m., depending upon H. P. used.

Shipping weight, about 100 lbs.

16-G-105. Improved meal maker complete with 2 sets 5½ inch burrs, bolting attachment, legs and balance wheel. Price, complete..... **$13.55**

Extra burrs, coarse or fine, per set, weight, 3 lbs..... **90c**

Harris Feed Mill



An excellent little mill for light power; taking up small space, just the machine you want where a limited amount of grinding is to be done. Built especially for engines from 1½ to 4 H. P. Capacity, 5 to 22 bushels per hour at 150 to 400 r. p. m., depending on H. P.

Will grind shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

It is built entirely of iron and steel and every part is strong enough to resist six times the actual working strain.

The bearings are long and lined with a high grade babbitt and can be oiled while mill is running.

The burrs are 5½ inches in diameter, ground perfectly true. Can be adjusted for fine or coarse grinding while running.

Pulley, 12 inches diameter, 3-inch face, weight, 60 pounds. Furnished with 2 sets burrs.

16-G-7117. Price, complete..... **$7.35**

16-G-7118. Extra Burrs, coarse or fine, per set..... **90c**

16-G-7119. Balance Wheel, 15 lbs..... **$1.35**

Harris Leader Square Frame One Hole Corn Sheller

$11.65

Efficient and Durable

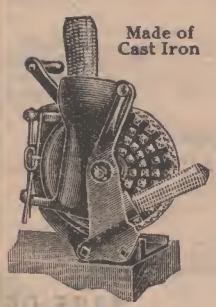
16-G-8067. An excellent Corn Sheller with strong hardwood frame. Shaft made of cold rolled steel and all parts properly proportioned. Gearing on outside of frame will not clog; protected by hood to avoid accidents; heavy balance wheel; geared low for easy operation. Good sized feed table. Feed spout placed over two shelling wheels which grip the ears firmly. Adjusted to shell any kind of grain perfectly. When fitted with fan this machine will clean corn nicely. If you intend to run your sheller by power, we furnish a clamp pulley to attach to balance wheel. Weight, 120 lbs.

16-G-8065. Price Complete with Fan and Feed Table..... **$11.65**

16-G-8066. Price, same Sheller with Round End instead of Square End, Complete with Fan and Feed Table..... **12.00**

16-G-8067. Clamp Pulley (8x2) for either of above..... **.90**

Harris Hand Corn Sheller



Made of Cast Iron

Handiest and most complete Corn Sheller on the market. This little cast iron corn sheller cannot be equaled for convenience and general utility. It is so simple that there is nothing about it to get out of order and so strong that it will not break.

It can be adjusted to shell large or small ears with equally good results. The adjusting shell is held against the ear of corn by a spring, the tension of which is easily and quickly adjusted. This shell forces the ear of corn against the shelling wheel and causes the ear to revolve so that the corn is shelled from the ear clean. The shelled corn is dropped into the box to which the sheller is fastened, and the ears are dropped outside.

16-G-8061. Weight, 15 lbs. Price..... **$1.10**

Harris Hand Grist Mill

An improved hand power grinding mill, made in two sizes, for grinding all kinds of grain, dry bone, shells, root bark, salt, etc. The best all around family mill producing cracked wheat, graham flour, and cornmeal, cracked ground corn or other grain of any fineness for feeding young chicks or grown fowls. Adjustable to grind fine or coarse without the use of a wrench. Burrs are made of Steel Alloy Metal.

16-G-8037. No. 1 size, 13″ high, 8¼″ wide, 12″ wheel, weight 22 lbs. Price..... **$2.35**

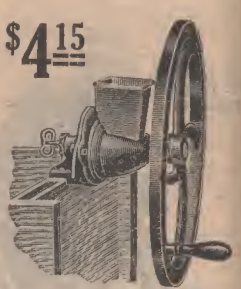
Extra Burrs, per set..... **.55**

16-G-8039. No. 2 size, 16″ high, 9½″ wide, 16″ wheel, weight 37 lbs. Price..... **$4.00**

Extra Burrs, per set..... **.75**

Harris Hand Bone Mill

$4.15



This little grinder reduces the cost of bone meal to mere labor.

Teeth are strong and coarse and will not grind corn for family use. Fresh bones should be allowed to become thoroughly dry before grinding. It will grind oyster shells, dried bones, gravel, old crockery, cracked corn, and other coarse feed for chickens. Can be adjusted to grind fine or coarse. The crusher is cone shaped, which crushes the product first, then it passes into the coarse grinding plates. This is a much better way than many other mills made with stationary burrs.

16-G-8021. Weight, 35 lbs. Price.... **$4.15**

Vault Doors, Lockers, Cabinets

Fire-Proof Vault Doors

Made for use in Court Houses, Banks, Offices, Insurance Companies, Post Offices or any place where Fire Proof Safes have been installed. Increase Your Return on any new or old building. Tenant always looks for a place of protection for valuable documents.

Lot No. 16-G-10. Brand New Vault Door Like Illustration

Dimensions: Inside clearance 28x74 inches; made to fit an 18-inch wall. Opening in wall to receive vault, 32x77 inches. Approximate weight, 600 pounds.

The door of this vault is hung on two strong hinges and fitted with a 2x2x¼-inch steel angle around the entire edge; the door plate being made of 10 gauge steel. The angle is fitted with three cross bolts made of 1-inch cold rolled round steel and securely locked with a Yale Combination Lock. The inner doors are made double of 10 gauge and 14 gauge steel welded together, having up and down flat bolt work, securely locked with a flat key lock.

The rear flanges are so made that frame can be unscrewed, the vault placed in position, leveled, fitted and tried so that the bolt and locks work perfectly, then all crevices can be filled up and cemented, the rear flanges screwed back and the vault will be ready for use. By making the flange on the rear of the vault in this manner, the building can be completed and vault placed in position without being marred. Price..... **$110.00**

16-G-70—The above vault door with 5-inch angle iron frame only, without vestibule or inner doors..... **$90.00**

When placing order state whether right or left hand swing is desired. Illustration above shows right hand swing.

Overhauled Vault Doors and Safes!!

We have on hand at all times a variety of overhauled vault doors and safes. They are in first-class overhauled condition in every way, painted and all working parts put in the best condition. The handle and dial are re-nickeled—will make a very imposing fixture to any office. We have such makes as Hall, Diebold and Harris, all of which are standard on the market. Send us your inquiry, and we will furnish you complete detailed description and lowest prices.

Brand New Steel Lockers

We can now furnish you Brand New Steel Lockers from our Chicago Stock for immediate shipment—like illustration. These are all arranged in units or banks of five compartments wide to a section. They are 12″ wide, 15″ deep and 60″ high, inside measurements. This is the ideal size for general service in offices or factories. All arranged single row fitted with three 2 prong coat hooks; hat shelf and doors have nickel plated number plates. The finish is olive green enamel. Doors are reinforced type, making them absolutely rigid. All lockers have an attachment for padlock, but no padlock is included. The ventilation is provided by six louvres in top and bottom of each opening. The shipping weight is approximately 70 pounds per compartment and unless otherwise stated in order we ship them set up and ready for immediate use. There is considerable saving in freight charges when shipped knocked down and erection is very simple as we include all necessary bolts for assembling and complete simple instructions.

Lot No. 16-G-171—Price per section of five compartments new steel lockers 12x15x60, for padlocks..... **$31.25**

If keylocks are preferred we can supply masterkeyed Yale locks with two keys to each lock, per opening extra..... **.85**

OVERHAULED STEEL LOCKERS

We always have on hand a number of used steel lockers. Give us an approximate idea as to the size you require, stating width, depth and height, and whether single or double tier lockers are preferred, as well as about how many you will need. These are second-hand lockers which come to us in connection with our large dismantling operations, which are thoroughly overhauled before shipment and guaranteed to be in first class condition in every respect and will answer the purpose just as good as new. Sometimes we have brand new lockers in these lots. Steel lockers are sanitary and permanent for shop, factory and office use. It makes your employees more contented. We are in position to quote very interesting prices, so write us today and our low money saving prices will follow by return mail.

Steel Storage Cabinets

These Brand New Steel Storage cabinets are fire retarding; prevent petty thieving and help you keep things in order and keep out dust and vermin. They are being used in thousands of places for the storage of stationery, automobile parts, dies, tools and material and supplies of every kind. They are used by all garages—offices—machine shops—elevators—schools and business men. Every storage need they have is supplied by these cabinets. Built of heavy steel and all equipped with a Yale lock and two keys. Have six-inch adjustable sanitary legs and shelves are adjustable. All cabinets finished in olive green baked enamel and shipped set up.

No. 16-G-1886—Size 18″ wide, 18″ deep, 60″ high, four shelves (five shelf openings) one door; weight, 125 lbs..... **$17.00**

No. 16-G-2456—Size 24″ wide, 15″ deep, 60″ high, four shelves (five shelf openings) two doors; weight, 144 lbs..... **20.00**

No. 16-G-3487—Size 34″ wide, 18″ deep, 72″ high, five shelves (six shelf openings) two doors; weight, 248 lbs..... **30.00**

No. 16-G-3487WC—Size 34″ wide, 18″ deep, 72″ high, Wardrobe Cabinet with one shelf for hats—coat hanger rod—coat hooks—two doors; weight, 221 lbs.... **29.00**

BARGAIN LIST BELT REMNANTS !

Every belt in this list is a big bargain. To secure them you should place your order now for such belts as you need. These remnants are all brand new and are practically made up of our regular brands. In addition to these brands, we are constantly buying special lots of high grade belt remnants. Write us if you fail to find the exact belt you need, for we will no doubt have it, as our stocks are being replenished daily.

BRAND NEW RUBBER BELT REMNANTS !

ORDER BY LOT No. 3-G-918

Width Inch	Ply	Feet Long	Price per Belt
1	3	12	$0.78
1	3	18	1.17
1	3	20	1.30
1	3	22	1.43
1	3	24	1.56
1	3	26	1.69
1	3	28	1.82
1	3	30	1.95
1¼	3	14	1.16
1¼	3	16	1.28
1¼	3	17	1.40
1¼	3	20	1.65
1¼	3	23	1.90
1¼	3	25	2.06
1¼	3	26	2.15
1¼	3	29	2.39
1½	3	12	1.14
1½	3	14	1.33
1½	3	15	1.43
1½	3	18	1.71
1½	3	20	1.90
1½	3	22	2.09
1½	3	23	2.19
1½	3	25	2.38
2	3	14	1.68
2	3	17	2.04
2	3	18	2.16
2	3	25	2.00
2	3	28	3.36
2	3	30	3.60
2	3	35	4.20
2	3	36	4.32
2½	3	16	2.24
2½	3	18	3.52
2½	3	22	3.08
2½	3	25	3.50
2½	3	26	3.64
2½	3	28	3.92
2½	3	30	4.20
2½	3	32	4.48
3	3	14	3.24
3	3	16	3.56
3	3	17	3.72
3	3	20	4.20
3	3	25	5.00
3	3	28	5.48

Width Inch	Ply	Feet Long	Price per Belt
3	3	32	$6.12
3	3	34	6.44
3½	3	12	2.40
3½	3	16	3.20
3½	3	18	3.60
3½	3	22	4.40
3½	3	25	5.00
3½	3	26	5.20
3½	3	28	5.60
3½	3	32	6.40
4	3	18	3.96
4	3	22	4.84
4	3	26	5.72
4	3	27	5.94
4	3	30	6.60
4	3	33	7.26
4	3	34	7.48
5	3	18	4.86
5	3	22	5.94
5	3	26	7.02
5	3	28	7.56
5	3	30	8.10
5	3	32	8.64
5	3	33	8.91
6	3	14	4.34
6	3	18	5.58
6	3	22	6.82
6	3	25	7.75
6	3	26	8.06
6	3	28	8.68
6	3	30	9.30
7	3	19	7.03
7	3	22	8.14
7	3	25	9.25
7	3	28	10.36
7	3	32	11.84
7	3	34	12.58
7	3	36	13.32
8	3	19	7.41
8	3	24	9.36
8	3	28	10.92
8	3	30	11.70
8	3	33	12.87
8	3	35	13.65
8	3	40	15.60
2	4	15	1.95

Width Inch	Ply	Feet Long	Price per Belt
2	4	16	$2.08
2	4	17	2.21
2	4	20	3.60
2	4	22	3.86
2	4	24	4.12
2	4	25	4.25
2	4	30	4.70
2½	4	14	2.38
2½	4	16	2.72
2½	4	18	3.06
2½	4	20	3.40
2½	4	21	3.57
2½	4	23	3.91
2½	4	25	4.25
2½	4	28	4.76
3	4	14	2.80
3	4	15	3.00
3	4	18	3.60
3	4	20	4.00
3	4	24	4.80
3	4	26	5.20
3	4	28	5.60
3	4	30	6.00
3½	4	14	3.22
3½	4	17	3.91
3½	4	18	4.14
3½	4	20	4.60
3½	4	24	5.52
3½	4	25	5.75
3½	4	28	6.44
3½	4	31	7.13
4	4	14	3.50
4	4	16	4.00
4	4	18	4.50
4	4	20	5.00
4	4	25	6.25
4	4	32	8.00
4	4	35	8.75
4	4	38	9.50
4½	4	15	4.05
4½	4	18	4.86
4½	4	22	5.94
4½	4	25	6.75
4½	4	28	7.56
4½	4	32	8.64
4½	4	33	8.91

Width Inch	Ply	Feet Long	Price per Belt
4½	4	34	$9.18
5	4	17	5.27
5	4	25	7.75
5	4	30	9.30
5	4	32	9.92
5	4	35	10.85
5	4	38	11.78
5	4	40	12.40
5	4	42	13.02
6	4	16	5.92
6	4	20	7.40
6	4	23	8.51
6	4	26	9.62
6	4	27	9.99
6	4	38	14.05
6	4	40	14.80
6	4	41	15.17
7	4	22	9.02
7	4	26	10.66
7	4	30	12.30
7	4	35	14.35
7	4	38	15.58
7	4	40	16.40
7	4	44	18.04
7	4	48	19.68
8	4	22	10.56
8	4	26	12.48
8	4	35	16.80
8	4	38	18.24
8	4	45	21.60
8	4	48	23.04
10	4	35	25.55
10	4	38	27.74
10	4	40	29.20
10	4	49	35.77
10	4	52	37.96
12	4	31	26.97
12	4	32	27.84
12	4	35	30.45
12	4	40	34.80
12	4	47	40.89
12	4	50	43.50
4	5	22	9.68
4	5	28	12.32
4	5	32	14.08
4	5	40	17.60

Width Inch	Ply	Feet Long	Price per Belt
4	5	45	$19.80
5	5	32	14.72
5	5	33	15.18
5	5	35	16.10
5	5	38	17.48
5	5	40	18.40
5	5	42	19.32
6	5	34	19.72
6	5	36	20.88
6	5	40	23.20
6	5	47	27.26
6	5	50	29.00
7	5	31	21.08
7	5	35	23.80
7	5	38	25.84
7	5	42	28.56
7	5	48	32.64
8	5	24	17.76
8	5	28	20.72
8	5	39	28.86
8	5	50	37.00
8	5	52	38.48
8	5	55	40.70
10	5	26	23.66
10	5	30	27.30
10	5	45	40.95
10	5	50	45.50
10	5	55	50.05
11	5	42	39.90
12	5	48	52.32
12	5	50	54.50
12	5	55	59.95
12	5	58	63.22
12	5	60	65.40
13	5	45	53.10
13	5	48	56.64
13	5	53	62.54
13	5	60	70.80
14	5	34	34.00
6	6	27	18.63
6	6	32	22.08
6	6	38	26.22
6	6	42	28.98
6	6	48	33.12
8	6	28	23.24
8	6	34	28.22

Width Inch	Ply	Feet Long	Price per Belt
8	6	48	$39.84
8	6	50	41.50
8	6	56	46.48
10	6	45	49.04
10	6	47	51.22
10	6	50	54.50
10	6	51	55.59
10	6	55	59.95
12	6	21	27.30
12	6	45	58.50
12	6	48	62.40
12	6	58	75.40
12	6	60	78.00
12	6	73	94.90
14	6	30	51.90
14	6	43	74.39
14	6	48	83.04
14	6	52	89.96
14	6	55	95.15
16	6	28	55.16
16	6	55	108.35
16	6	58	114.26
16	6	62	122.14
16	6	65	128.05
18	6	39	86.58
18	6	47	104.34
18	6	50	111.00
18	6	55	122.10
18	6	59	130.94
20	6	47	115.62
20	6	50	123.00
20	6	55	135.30
20	6	60	147.60
20	6	68	167.28
24	6	45	132.30
24	6	48	141.12
24	6	57	167.58
24	6	60	176.40
24	6	65	191.10
10	8	50	57.50
10	8	52	59.80
10	8	55	63.25
10	8	57	65.55
10	8	60	69.00
12	8	33	45.54
12	8	52	71.76

NEW RED STITCHED CANVAS BELT REMNANTS

ORDER BY LOT No. 3-G-920

Width Inch	Ply	Feet Long	Price per Belt
1½	4	12	$1.20
1½	4	15	1.50
1½	4	16	1.60
1½	4	20	2.00
1½	4	24	2.40
2	4	18	1.89
2	4	20	2.10
2	4	22	2.31
2	4	25	2.63
2	4	26	2.33
2	4	28	2.54
2	4	30	3.15
2	4	38	3.99
2	4	45	4.73
2½	4	15	2.10
2½	4	17	2.38
2½	4	18	2.52
2½	4	22	3.08
2½	4	25	3.50
2½	4	26	3.64
3	4	13	2.21
3	4	16	2.72
3	4	18	3.06
3	4	20	3.40
3	4	22	3.74
3	4	25	4.25
3½	4	18	3.60
3½	4	22	4.40
3½	4	25	5.00

Width Inch	Ply	Feet Long	Price per Belt
4	4	11	$2.42
4	4	12	2.64
4	4	18	3.96
4	4	20	4.40
4	4	24	5.28
4	4	26	5.72
4	4	30	6.60
4½	4	12	2.88
4½	4	14	3.36
4½	4	20	4.80
5	4	12	3.24
5	4	18	4.86
5	4	20	5.40
5	4	22	5.94
5	4	30	8.10
5	4	32	8.64
6	4	18	5.76
6	4	19	6.08
6	4	20	6.40
6	4	25	8.00
6	4	26	8.32
6	4	30	9.60
6	4	33	10.56
7	4	16	5.92
7	4	22	8.14
7	4	26	9.62
7	4	28	10.36
7	4	30	11.10
7	4	32	11.84

Width Inch	Ply	Feet Long	Price per Belt
8	4	14	$5.60
8	4	15	6.00
8	4	16	6.40
8	4	17	6.80
8	4	18	7.20
8	4	19	7.60
8	4	20	8.00
8	4	26	10.66
8	4	30	12.30
8	4	32	13.12
8	4	35	14.35
8	4	38	15.58
8	4	42	17.22
8	4	50	20.50
8	4	62	25.80
9	4	12	5.16
9	4	14	6.02
9	4	25	10.75
9	4	41	17.63
9	4	45	19.35
9	4	50	21.50
10	4	14	6.86
10	4	15	7.35
10	4	17	7.84
10	4	19	8.82
10	4	24	12.00
10	4	38	19.00
10	4	42	21.00
10	4	50	25.00

Width Inch	Ply	Feet Long	Price per Belt
12	4	32	$19.84
12	4	34	21.08
12	4	45	27.90
12	4	50	31.00
24	4	17	13.60
4	5	26	8.06
4	5	28	8.68
4	5	29	8.99
4	5	30	9.30
4	5	35	10.85
5	5	27	9.25
5	5	28	9.62
5	5	29	9.99
5	5	30	10.36
5	5	36	13.32
6	5	24	10.32
6	5	28	12.04
6	5	30	12.90
6	5	32	13.76
6	5	35	15.05
8	5	12	6.24
8	5	13	6.76
8	5	14	7.28
8	5	40	22.40
8	5	45	25.20
8	5	50	28.00
10	5	40	26.80
10	5	44	29.48
10	5	48	32.16

Width Inch	Ply	Feet Long	Price per Belt
10	5	50	$33.50
10	5	52	34.84
12	5	30	25.50
12	5	40	34.00
12	5	42	35.70
12	5	45	38.25
12	5	51	43.35
4	6	13	4.55
4	6	20	7.40
4	6	25	9.25
4	6	28	10.36
4	6	32	11.84
5	6	10	4.00
5	6	11	4.40
5	6	15	6.00
5	6	16	6.40
5	6	32	11.84
6	6	21	10.50
6	6	25	13.00
6	6	28	14.56
6	6	35	18.20
6	6	40	20.80
8	6	14	8.40
8	6	15	9.00
8	6	17	9.60
8	6	18	10.20
8	6	32	20.48
8	6	40	25.60
8	6	43	27.52

Width Inch	Ply	Feet Long	Price per Belt
8	6	45	$28.80
8	6	50	32.00
8	6	55	35.20
9	6	48	27.84
10	6	13	8.58
10	6	15	9.90
10	6	16	10.56
10	6	19	12.54
10	6	24	16.80
10	6	28	18.90
10	6	35	26.60
10	6	44	33.44
10	6	48	36.48
10	6	50	38.00
12	6	15	12.00
12	6	17	13.60
12	6	18	14.40
12	6	20	16.00
12	6	28	22.40
12	6	35	33.95
12	6	40	38.80
12	6	48	46.56
12	6	60	58.20
12	6	71	68.87
14	6	48	52.80
12	8	18	16.74
12	8	29	26.97
14	8	50	58.00
14	8	55	63.80

Short Pieces of Rubber Belting

These pieces of new and used rubber belting are too short to be used for belting, but can be used for a number of purposes such as repairing your old belts, making washers, gaskets, packing, wagon hub covers, hand pads, shoe soles, horse shoe pads and other purposes too numerous to mention. Every farmer, mechanic, and blacksmith will find considerable use for this material. Owing to the extremely low price we cannot accept orders for less than 10 pounds. These pieces will range in random widths, lengths and plys. Orders not accepted for any specified lengths or sizes, but state sizes preferred and we will fill your order near as possible.

3-G-7. Price per pound.............. **20c**

Short Pieces of Canvas Belting

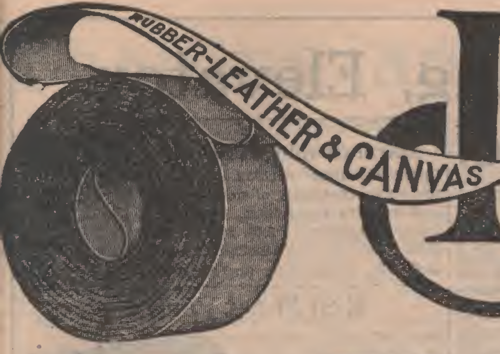
3-G-10. These pieces of new and used canvas belting come in ramdon widths, lengths and plys. State sizes preferred and we will send near as possible. These pieces can be used for patching belts and many other purposes. No order will be accepted for any specified width or length, or for less than 10 pounds.

Price, per pound....................... **20c**

Short Pieces of Leather Belting

These pieces of used leather belting can be used for numerous purposes, such as repairing harness, hand pads, washers, gaskets, pump plungers, repairing harness, shoe soles, and other purposes. Owing to the extremely low prices we cannot sell less than 5 pounds to a customer. This belting comes in various widths, single and double ply, and random lengths. No order accepted for any specified width or length. Please advise for what purpose you intend using same when ordering and we will send you as near as we can what will answer your purpose.

3-G-5. Price, per pound............... **35c**



BELTING

Owing to our enormous business in this line, we carry a large and complete stock of Belting and Supplies, insuring our customers prompt shipment of their orders. We earnestly advise that you note carefully the general purpose for which we recommend the use of our various grades and order accordingly.

Rubber Belting

possesses many advantages. The cotton duck being protected by the rubber cover, the belt is not affected by dampness, but will run in damp places. It is uniform in thickness and strength and will always run straight on the pulleys. Our rubber belts are thoroughly stretched in making and therefore do not stretch materially when placed in service. Adhere closely to the pulley, giving the best transmission of power.

"Superior" Brand Rubber Belt

3-G-20. **This is the highest quality belt constructed;** adapted for heavy duty on main drives in paper mills, sawmills, ore concentrating plants, factories, electric light plants and similar service where a belt is subjected to hard usage.

Width Inches	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.
4	$0.37	$0.47	....
5	.46	.58	....
6	.55	.69	$0.87
7	.65	.81	.97
8	.70	.87	1.04
9	.78	.97	1.17
10	.86	1.08	1.30
12	1.03	1.30	1.56
13	....	1.41	....
14	1.21	1.51	1.82
15	1.30	1.61	....
16	1.39	1.74	2.08
18	....	1.94	2.34
20	....	2.16	2.59
22	....	2.38	....
24	....	....	3.10

"Standard" Brand

3-G-1. This is a light weight flexible belt of high tensile strength, especially adapted to agricultural purposes on dairy machines, silo machines, pumps, and comparatively light transmission service, etc. The quality is as good as other grades but the duck is lighter, with a good friction. **Rubber Belt**

Width Inches	3 Ply Per Ft.	4 Ply Per Ft.
1	7c	....
1¼	9c	....
1½	11c	....
2	13c	15c
2½	16c	19c
3	18c	22c
3½	22c	26c
4	24c	28c
4½	....	30c
5	29c	34c
6	34c	41c
7	41c	46c
8	43c	51c

"Premier" Brand Rubber Belt

3-G-3. This is an all-around service belt of medium weight made to withstand general transmission service requirements, such as countershaft drives, flour mill drives, heavy agricultural work and conveying purposes.

Width Inches	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.
3	$0.26	....	....
4	.33	....	....
4½	.37	....	....
5	.41	$0.51	....
6	.49	.61	$0.73
7	.57	.72	....
8	.62	.77	.92
9	.69	....	....
10	.77	.96	1.15
11	.84	....	....
12	.92	1.15	1.38
13	1.00	1.25	....
14	1.08	1.34	1.62
15	1.15	1.44	....
16	1.23	1.54	....
18	1.38	....	....

Endless Canvas Belting

3-G-11. **Brand new and** guaranteed. These belts are especially recommended for threshers or for any other purpose where a belt is exposed to the weather. Actual lengths are three feet shorter than specified as it requires the price of three feet for lap and labor in making belts endless.

Width Inches	4-Ply 50 ft.	75 ft.	100 ft.	125 ft.	150 ft.
5	$14.70	$21.30	$28.20	.....	.....
6	17.10	24.90	33.00	$40.80	.....
7	19.50	28.50	37.50	46.50	$55.50
8	21.90	32.10	42.30	52.50	62.40
9	.....	.....	.....	.....	69.00

Width Inches	5-Ply 125 ft.	150 ft.	160 ft.
7	$58.20	$69.30	.....
8	65.40	78.30	$83.10
9	.....	86.10	91.50

Width Inches	6-Ply 150 ft.	160 ft.
8	$93.90	$99.90
9	103.50	110.40

"Harris" Brand Canvas Belting

3-G-9. **This belt is the most serviceable for** use outdoors, as it can not be injured by steam or water and can be run in places where the heat would injure a rubber or leather belt. It is made of heavy canvas woven very hard, giving it great strength. The rows of stitching are very close so that the plies will not separate. It is painted red with a special composition which makes it waterproof and it is not affected by heat or cold. This belt is thoroughly stretched during the process of manufacture and is adaptable for sawmills, mines, quarries, etc.

Width Inches	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.
1	$0.07	....	....
1¼	.09	....	....
1½	.11	....	....
2	.13	....	....
2½	.16	....	....
3	.19	....	....
3½	.22	....	....
4	.25	$0.33	$0.39
4½	.27	....	....
5	.30	.39	.47
6	.35	.46	.55
7	.40	....	....
8	.45	.59	.71
9	.50	....	....
10	.54	.71	.85
12	.68	.90	1.08
14	.81	....	1.21

White Woven Cotton Belting

3-G-15. **This white woven cotton belt is especially** adapted for elevating and conveyor purposes. It is solid woven, making it the heaviest and strongest cotton belt on the market.

Width, Inches	Per Foot 2-Ply	3-Ply	4-Ply	5-Ply	6-Ply
1	$0.03½	$0.06	....	....	....
1¼	.04	.07	....	....	....
1½	.04½	.08	$0.10	....	....
2	.06	.09	.12	....	....
2½	.07	.11	.13	....	....
3	.08	.12	.15	....	....
3½	.09	.13	....	$0.22	....
4	.10	.14	.19	.25	....
4½	.12	.16	.21	....	....
5	.13	.18	.22	.31	$0.38
6	.14	.21	.26	.36	.45
6½	....	.22	.28	....	....
7	....	.23	.31	....	.51
8	.20	.26	.35	.49	.60
9	....	.32	.42	.55	.68
10	.27	.37	.49	.62	.78
12	.31	.41	.56	.76	.93

Belt Specials

Lot No. *3-G-586*

New 2 -in. wide 3 ply white cotton belt	Per ft.	6c
New 2 -in. wide 4 ply canvas belt	Per ft.	9c
New 4 -in. wide 2 ply rubber belt	Per ft.	15c
New 5 -in. wide 2 ply rubber belt	Per ft.	19c
New 8 -in. wide 3 ply rubber belt	Per ft.	33c
New 7 -in. wide 4 ply rubber belt	Per ft.	36c
New 5½-in. wide 4 ply canvas belt	Per ft.	25c
New 9 -in. wide 4 ply canvas belt	Per ft.	37c
Used 9-in. wide 5 ply canvas belt	Per ft.	24c

Leather Belting

"Reliable" Brand

3-G-7. **Our "Reliable" Brand New Leather Belt** is by far the best leather belt on the market, made of short lap, high grade stock from which the finest belt is made, cannot be beat for high speeds such as woodworking machinery and heavy drives. Made endless to order at a charge of one foot extra for labor and lap.

Width Inches	Per Ft. Thick Single	Per Ft. Thick Double
2	$0.29	....
2½	.36	....
3	.43	$0.78
3½	.50	.90
4	.58	1.04
4½	.65	1.16
5	.72	1.30

Width Inches	Single Thick Per Ft.	Double Thick Per Ft.
5½	$0.79	$1.42
6	.86	1.54
7	1.01	1.82
8	1.15	2.06
9	....	2.33
10	....	2.59
12	....	3.11

"Square" Brand

3-G-6. **"Square" Brand New Leather Belt is suit**able for light and medium power transmission. It is cut from the same leather as our "Reliable" Brand and is manufactured in the same careful manner, but is of a lighter weight. For farm machinery, light factory power, etc., there is no better belt on market. Made endless to order at a charge of one foot extra for labor and lap.

Width Inches	Single Thick Per Ft.	Double Thick Per Ft.
1	$0.11	....
1¼	.14	....
1½	.16	....
1¾	.19	....
2	.22	$0.44
2¼	.24	.48
2½	.27	.54
2¾	.30	.60

Width Inches	Single Thick Per Ft.	Double Thick Per Ft.
3	$0.32	$0.64
3½	.38	.76
4	.43	.86
4½	.49	.98
5	.54	1.08
6	.65	1.30
7	....	1.51
8	....	1.73

Overhauled Leather Belting

3-G-5. **We rebuild and overhaul leather belts and** when ready for shipment, they will give the same satisfaction as new; with the exception that the stock of course is overhauled. Made endless to order at a charge of one foot extra for labor and lap.

Width Inches	Single Thick Per ft.	Double Thick Per ft.
1	$0.07	....
1¼	.09	....
1½	.11	$0.22
1¾	.12	....
2	.14	.28
2½	.18	.36
3	.22	.44
3½	.25	.50
4	.29	.58
4½	.32	.64
5	.36	.72
6	.43	.86

Width Inches	Single Thick Per ft.	Double Thick Per ft.
7	....	$1.01
8	....	1.15
9	....	1.30
10	....	1.44
11	....	1.58
12	....	1.73
13	....	1.87
14	....	2.02
15	....	2.16
16	....	2.30
18	....	2.59
20	....	2.88
24	....	3.46

Belting Supplies, Packing, Elevator Buckets, Etc.

"Adams" Canvas Pulley Covering

$3.75

Prevents belts slipping. Threshermen appreciate it; saves power and money. Can run with loose belt. Lessens friction on bearings and shaft. It is easily applied without rivets and is durable.

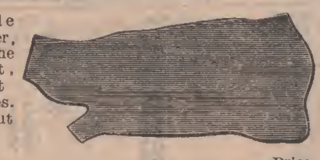
Put up in convenient outfits, consisting of Canvas Cement, Brush and Scraper for applying. ***3-G-102.*** Outfit No. 3. Sufficient for 10 sq. ft. of pulley surface **$3.75**

Perfection Belt Dressing

Prevents belt from slipping. Contains nothing that is injurious to the belt. Put up in 1 lb. sticks.

3-G-104. Price per stick.................. **$0.35**
Per dozen 1-lb. sticks........................ **3.50**

Side Lace Leather



Raw Hide Lace Leather, made from the strongest, toughest native hides. We do not cut hides.

3-G-25.

	Price
Sides contain 15 sq. ft.	**$6.60**
Sides contain 16 sq. ft.	**7.04**
Sides contain 17 sq. ft.	**7.48**
Sides contain 18 sq. ft.	**7.92**

Cut Raw Hide Lace Leather

Made of the finest selected hides. Put up in bundles containing 50 and 100 feet. We guarantee that this is the toughest and best quality of cut lace leather on the market.

3-G-24.

Width, inches	¼	5/16	⅜	½	⅝
Price, 50 feet	$0.60	$0.70	$0.90	$1.30	$1.50
Price, 100 feet	1.15	1.35	1.70	2.50	2.95

"Handy Repair Bundle"

3-G-89. This handy bundle consists of one pound of mixed good strong rawhide lacing of various widths and lengths, practical for repairing harness, belts and other leather equipment about the farm and factory. Always the right lace or string when you need it. Price per one pound bundle complete........... **50c**

Belt Elevator Bolts

These bolts are for attaching elevator buckets to flat belts and have slot in head for screw driver, and corrugated under surface. They are well made and smoothly finished. Sold in boxes of 100 only.

3-G-927.

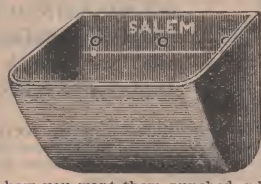
Dia. In.	Length In.		
¼	½	Price per box of 100	**$0.85**
¼	⅝	Price per box of 100	**.90**
¼	¾	Price per box of 100	**.95**
¼	1	Price per box of 100	**1.00**
¼	1¼	Price per box of 100	**1.05**

Chain Elevator Bolts

3-G-928. This type bolt is used for attaching elevator buckets to link chain belting. They have button head, are well made and smoothly finished. Sold in boxes of 100 only.

Dia. In.	Lgth. In.		Price
¼	⅝	Box of 100.	**$1.00**
¼	¾	Box of 100.	**1.10**

Elevator Buckets



3-G-49. Brand new. For general elevator work we consider the Salem bucket the best on the market. All these buckets are spot welded. This decidedly strengthens the bucket, saves the belt and discharges perfectly. When placing order advise how you want them punched, whether for flat belt or link chain belting. If for link belt state style of attachment and number of chain.

Bucket Length	Size, Ins. Proj.	Capac. Cubic Inches	Gauge No.	Price Each
3	3	12	22	**$0.11**
3½	3	15	22	**.11**
4	3	17	22	**.11**
4½	3	20	22	**.11**
4	3½	24	22	**.11**
4½	3½	27	22	**.11**
5	3½	30	22	**.13**
5	4	41	20	**.14**
5½	4	45	20	**.16**
6	4	49	20	**.19**
7	4½	66	20	**.22**
8	5	98	19	**.26**
9	5	110	19	**.30**
10	5	122	19	**.35**
10	5½	156	19	**.36**
9	6	169	18	**.38**
10	6	187	18	**.42**
11	6	206	18	**.47**
12	6	225	18	**.52**

Overhauled Buckets

We offer the following overhauled elevator buckets at bargain prices subject to prior sale. Some of these buckets are only slightly shop worn but for further use as good as new. ***3-G-28.***

Quantity	Bucket Size, Inches Length	Proj.	Each
110	3½	3½	**$0.07**
720	4	3	**.07**
800	4	3½	**.07**
125	5	4	**.09**
16	14	6	**.35**
85	16	7	**.42**
39	18	7	**.45**
200	20	6	**.50**

We carry a complete stock of elevator buckets and supplies. If you do not find what you require, write us.

Steel Belt Punch

To drive. Made of solid tool steel, drilled and reamed.

3-G-27.

Size No.	Hole Inches	Price Each
11	¼	**45c**
12	9/32	**50c**
13	5/16	**55c**

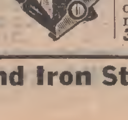
Composition Wire Belt Lace

3-G-32.

The strongest wire belt lace manufactured. Tensile strength being 2,000 lbs.; will stand a far greater strain than is estimated in the driving capacity of a belt. Is better than hooks. Put up in boxes of 50 feet.

		Price per Box
No. 1.	For belts 6 inches wide and under	**$0.30**
No. 2.	For all double leather belts less than 8 inches and for all rubber belts 5 ply or heavier	**.35**
No. 3.	For double belts above 8 inches in width	**.40**

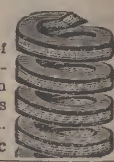
Adjustable Lace Leather Cutters



Made especially for cutting Raw Hide Lace Leather. Cutters of finely tempered steel.

3-G-26. Price each............ **50c**

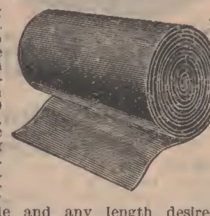
Spiral Graphite Packing



Spiral Graphite Packing. Made of the very best quality of stock, guaranteed to give satisfaction. Put up in boxes containing 12 feet, and in sizes from ¼ inch up to and including ⅝ inch.

3-G-23. Price per lb. (any size) . **75c**

Red Sheet Packing



Our red sheet packing is manufactured of a compound soft enough to fill every crevice of the flange. It does not soften or blow out. It is recommended for all steam pressures up to 150 pounds saturated steam, and for all hydraulic pressures. Just the thing for making gaskets, etc. Put up in rolls 36 in. wide. We do not cut rolls lengthwise, but will furnish any quantity one yard wide and any length desired. 1/16 inch weighs approximately 5½ pounds to sq. yd. and ⅛ inch—11 pounds. Sizes, in stock, 1/16 and ⅛ inch.

3-G-15. Price, per lb............................ **45c**

Alligator Steel Belt Lacing

Just a hammer to apply it. Packed in boxes, complete with pins.

3-G-15. For light narrow single leather or fabric belts ⅛ to 5/16 inch thick. Packed in 8-inch lengths containing sufficient for 64 inches in width of belting. Per box................................ **$1.30**

3-G-20. For single leather belts, three ply fabric, etc., up to 5/16 inch thick. Packed in 12-inch lengths, containing sufficient for 60 inches in width of belting. Per box................................ **$1.30**

3-G-25. For single leather and fabric belts from 5/16 inch to 7/16 inch thick. Packed in 8-inch lengths containing sufficient for 48 inches in width of belting. Per box................................ **$1.25**

3-G-35. For double leather, 5 ply rubber, cotton or balata belts, 5/16 to 9/16 inch thick. Packed in 8-inch lengths containing sufficient for 32 inches in width of belting. Per box........................ **$1.15**

3-G-45. For heavy double leather and 6 ply belts up to ⅜ inch thick. Packed in 12 inch lengths containing sufficient for 48 inches in width of belting. Per box................................ **$2.25**

Giant Belt Hooks

3-G-30.

For leather, rubber and cotton belts. Have double the strength of any other wire belt hooks that are made. Make perfect joints. No tool required but a hammer to insert them. Put up in boxes containing 250.

Size A. Approximate lengths, ¾ inch. Single length belts. Price per box........................ **65c**

Size B. Approximate length, 1 inch. For heavy single and light double leather belts. Price per box...... **75c**

Size C. Approximate length, 1¼ inches. For heavy double length belts. Price per box.............. **90c**

Size D. Approximate length, 1¼ inches, 3 and 4-ply rubber or cotton belt. Price per box............. **95c**

Size E. Approximate length, 1⅜ inches. 5- and 6-ply rubber or cotton belt. Price per box.... **$1.10**

Steel Belt Lacing

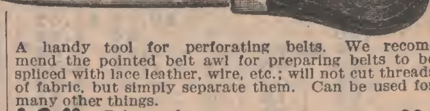
Made of special steel, easily applied; making a smooth joint. The teeth are widely spaced and therefore do not cut the belt. Packed in boxes containing 100 inches in assorted lengths. In ordering hooks be sure and state **kind and thickness of belt** with which they are to be used.

3-G-A1. For single leather, rubber and canvas belts, up to 4-ply not wider than 6 inches. Price per box.................................... **75c**

3-G-1. For single leather, rubber, and canvas belts, 4-ply, 6 to 10 inches wide. Price per box.... **90c**

3-G-2. For double leather, rubber, and canvas belts, up to 6-ply, 12 inches and wider. Price per box.................................... **$1.20**

Pointed Belt Awl-Perforator



A handy tool for perforating belts. We recommend the pointed belt awl for preparing belts to be spliced with lace leather, wire, etc.; will not cut threads of fabric, but simply separate them. Can be used for many other things.

3-G-28. Price, each............................ **60c**

Shafting and Shaft Line Supplies

Recent great purchases of complete plants and factories secured thousands of feet of perfect shafting absolutely straight and as good as new for further service. This shafting is guaranteed to be free from all defects.

No matter what your requirements are in Pulleys, Shafting, Hangers, Belting, etc., we can supply anything you need for power and transmission of every description. Give us a general idea of the conditions you will have to meet—let us solve your problem; let us save time and money for you.

Brand new Cold Rolled Steel Shafting at factory prices. Cut to any even lengths up to 24 feet. Where longer shafts are required, it is necessary that two pieces be used together with coupling.

We also have a large stock of second-hand shafting, $1^{15}/_{16}$ inch and larger in diameter, which we quote subject to stock being on hand at time of receiving order.

When we are out of second-hand shafting, we will substitute new Shafting at prices quoted on new, unless we are advised to the contrary.

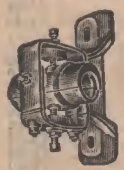
Shafting

16-G-1. **Brand New.** ***16-G-3.*** **Second-Hand**

Prices on Shafting Subject to Market Changes

Size, Inches	$^{3}/_{4}$	1	$1^{3}/_{16}$	$1^{1}/_{4}$	$1^{7}/_{16}$	$1^{1}/_{2}$	$1^{11}/_{16}$	$1^{15}/_{16}$
Weight, per ft., Lbs.	$1^{1}/_{2}$	$2^{1}/_{2}$	$3^{3}/_{4}$	$4^{1}/_{4}$	$5^{1}/_{2}$	6	$7^{1}/_{2}$	10
Second-Hand, per ft.	.....	.....	.....	.....	.....	.....	.....	**$0.30**
Brand New, per ft.	**$0.08**	**$0.11**	**$0.17**	**$0.19**	**$0.24**	**$0.27**	**$0.33**	**$0.43**
Size, Inches	$2^{3}/_{16}$	$2^{7}/_{16}$	$2^{11}/_{16}$	$2^{15}/_{16}$	$3^{3}/_{16}$	$3^{7}/_{16}$	$3^{11}/_{16}$	$3^{15}/_{16}$
Weight, per ft., Lbs.	$12^{3}/_{4}$	16	$19^{1}/_{4}$	23	$27^{1}/_{4}$	$31^{1}/_{2}$	$36^{1}/_{2}$	$41^{1}/_{2}$
Second-Hand, per ft.	**$0.40**	**$0.49**	**$0.60**	**$0.76**	**$0.92**	**$1.05**	**$1.21**	**$1.52**
Brand New, per ft.	**.61**	**.74**	**.90**	**1.14**	**1.36**	**1.58**	**1.82**	**2.28**

Adjustable Post Hangers

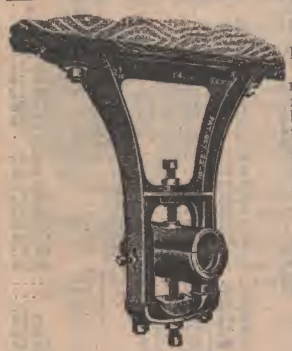


Brand new adjustable Ball and Socket Double Brace Post Hangers, with plain wick oiling bearings up to $2^{15}/_{16}$", $3^{3}/_{16}$" to $3^{15}/_{16}$" Ring Oiling Bearings.

16-G-7. Made with adjusting socket connection with plunger screws, true ball and bearing and ample adjustment.

Size, inch.	$^{3}/_{4}$	1	$1^{3}/_{16}$	$1^{1}/_{4}$	$1^{7}/_{16}$	$1^{1}/_{2}$	$1^{11}/_{16}$	$1^{15}/_{16}$
Price, each	**$2.25**	**$2.25**	**$3.00**	**$3.00**	**$3.20**	**$3.20**	**$3.95**	**$4.50**
Size, inch.	$2^{3}/_{16}$	$2^{7}/_{16}$	$2^{11}/_{16}$	$2^{15}/_{16}$	$3^{3}/_{16}$	$3^{7}/_{16}$	$3^{11}/_{16}$	$3^{15}/_{16}$
Price, each	**$6.20**	**$6.95**	**$9.40**	**$10.90**	**$14.00**	**$15.40**	**$16.45**	**$17.85**

Brand New Drop Hangers



Double Brace, Adjustable, Ball and Socket, Wick Oiling, Drop Hangers, Standard Bearings.

16-G-9. Our hangers are the equal of any hangers on the market. They are as good as the best material and finest workmanship can make them. We use only the very best grade of babbitt applicable to shafting service, which is securely anchored to the castings and machined up by special process.

Shaft	Drop in Inches					
Inches	8	10	12	14	16	18	20
$^{3}/_{4}$	**$2.05**	**$2.25**	**$2.45**	**$2.80**	.....	.....	.....
1	**2.05**	**2.25**	**2.45**	**2.80**	.....	.....	.....
$1^{3}/_{16}$	**2.25**	**2.45**	**2.65**	**3.00**	**$3.20**	**$3.55**	.....
$1^{1}/_{4}$	**2.25**	**2.45**	**2.65**	**3.00**	**3.20**	**3.55**	.....
$1^{7}/_{16}$	**2.45**	**2.65**	**2.80**	**3.20**	**3.40**	**3.75**	.....
$1^{1}/_{2}$	**2.45**	**2.65**	**2.80**	**3.20**	**3.40**	**3.75**	.....
$1^{11}/_{16}$	**3.40**	**3.55**	**3.75**	**4.15**	**4.30**	**4.50**	**$4.90**
$1^{15}/_{16}$	**3.95**	**4.15**	**4.30**	**4.70**	**4.90**	**5.05**	**5.45**

Write for prices on larger sizes. We can also furnish both ring and plain wick oiling drop and post hangers. Write for prices.

Overhauled Drop Hangers

16-G-11. We offer second-hand Drop Hangers subject to stock on hand at time order is received. **Should we not have second-hand hangers** in the sizes desired we will substitute new hangers, at prices quoted, unless otherwise advised. The boxes of our second-hand Drop Hangers are babbitted and are guaranteed to be in first class condition. **When necessary we rebabbitt them, good as new.**

Size, Shaft	Drop in Inches									
Inches	8	10	12	14	16	18	20	24	30	36
$1^{3}/_{16}$	**$1.55**	**$1.65**	**$1.80**	**$2.05**	**$2.10**	**$2.30**	**$2.40**	**$2.65**	.....	.....
$1^{7}/_{16}$	**2.05**	**2.05**	**2.30**	**2.45**	**2.55**	**2.65**	**2.75**	**2.95**	**$4.50**	**$5.30**
$1^{15}/_{16}$	**2.30**	**2.40**	**2.60**	**2.80**	**2.85**	**2.95**	**3.05**	**3.20**	**4.75**	**5.50**
$2^{3}/_{16}$	**3.00**	**3.10**	**3.15**	**3.45**	**3.50**	**3.70**	**3.75**	**4.10**	**5.40**	**6.50**
$2^{7}/_{16}$	**3.35**	**3.45**	**3.50**	**3.80**	**3.90**	**4.10**	**4.15**	**4.40**	**5.80**	**6.85**
$2^{11}/_{16}$	**4.25**	**4.20**	**4.85**	**5.05**	**5.15**	**5.80**	**5.85**	**6.30**	**7.95**	**9.00**
$2^{15}/_{16}$	**4.90**	**4.95**	**5.40**	**5.80**	**5.90**	**6.50**	**6.60**	**7.05**	**8.70**	**9.70**
$3^{3}/_{16}$	**7.05**	**7.15**	**7.40**	**8.10**	**8.25**	**9.00**	**9.70**	**9.95**	**11.00**	**12.10**
$3^{7}/_{16}$	**7.75**	**7.95**	**8.10**	**8.85**	**8.95**	**9.70**	**10.10**	**10.30**	**11.80**	**12.85**
$3^{11}/_{16}$	**9.20**	**9.40**	**9.60**	**10.30**	**10.40**	**11.40**	**11.55**	**12.10**	**13.55**	**14.60**
$3^{15}/_{16}$	**9.95**	**10.10**	**10.30**	**11.00**	**11.20**	**12.10**	**12.25**	**12.85**	**14.30**	**15.35**

Brand New Rigid Post Blocks

16-G-15. **Standard bearing, lubricated through cup cast in cap. Babbitted** with the best grade of babbitt for shaft service. Sizes given are the diameter of shaft. Strength of design is a feature.

Inch	Each	Inch	Each	Inch	Each	Inch	Each
$^{3}/_{4}$	**$1.00**	$1^{7}/_{16}$	**$1.55**	$2^{3}/_{16}$	**$4.00**	$3^{3}/_{16}$	**$7.50**
1	**1.15**	$1^{1}/_{2}$	**1.65**	$2^{7}/_{16}$	**4.55**	$3^{7}/_{16}$	**10.15**
$1^{3}/_{16}$	**1.30**	$1^{11}/_{16}$	**1.95**	$2^{11}/_{16}$	**5.55**	$3^{11}/_{16}$	**12.80**
$1^{1}/_{4}$	**1.35**	$1^{15}/_{16}$	**2.45**	$2^{15}/_{16}$	**6.60**	$3^{15}/_{16}$	**15.45**

Brand New Safety Set Collars for Shafting

16-G-17.

Inch	$^{3}/_{4}$	1	$1^{3}/_{16}$	$1^{1}/_{4}$	$1^{7}/_{16}$	$1^{1}/_{2}$	$1^{11}/_{16}$	$1^{15}/_{16}$
Each	**22c**	**23c**	**28c**	**30c**	**35c**	**37c**	**42c**	**49c**
Inch	$2^{3}/_{16}$	$2^{7}/_{16}$	$2^{11}/_{16}$	$2^{15}/_{16}$	$3^{3}/_{16}$	$3^{7}/_{16}$	$3^{11}/_{16}$	$3^{15}/_{16}$
Each	**56c**	**63c**	**74c**	**84c**	**95c**	**$1.05**	**$1.16**	**$1.26**

Flange Couplings for Shafting

16-G-19. We can furnish these couplings both new and second-hand, keyseated and keys furnished. Orders for second-hand couplings are taken subject to stock being on hand at time order is received. **In the event that we are out of second-hand couplings** we will substitute new couplings, at new prices, unless otherwise advised.

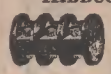
Size Inches	Brand New	Over-hauled	Size, Inches	Brand New	Over-hauled
$1^{3}/_{16}$	**$5.20**	**$3.20**	$2^{7}/_{16}$	**$9.40**	**$5.80**
$1^{1}/_{4}$	**5.20**	**3.20**	$2^{11}/_{16}$	**11.40**	**7.00**
$1^{7}/_{16}$	**5.85**	**3.60**	$2^{15}/_{16}$	**14.00**	**8.60**
$1^{1}/_{2}$	**5.85**	**3.60**	$3^{3}/_{16}$	**16.90**	**10.40**
$1^{11}/_{16}$	**6.85**	**4.20**	$3^{7}/_{16}$	**18.55**	**11.40**
$1^{15}/_{16}$	**7.50**	**4.60**	$3^{11}/_{16}$	**21.80**	**13.40**
$2^{3}/_{16}$	**8.45**	**5.20**	$3^{15}/_{16}$	**23.40**	**14.40**

Solid Sleeve Shaft Coupling

16-G-21. Brand new, used only for light shafting.

Size, inch	$^{3}/_{4}$	1	$1^{3}/_{16}$	$1^{1}/_{4}$
Price, each	**$1.75**	**$1.95**	**$2.10**	**$2.10**
Size, inch	$1^{7}/_{16}$	$1^{1}/_{2}$	$1^{11}/_{16}$	$1^{15}/_{16}$
Price, each	**$2.50**	**$2.50**	**$2.85**	**$3.50**

Ribbed Compression Couplings



16-G-23. We can furnish these couplings both new and second-hand. In the event we are out of the second-hand couplings we will substitute new couplings unless otherwise advised, at new prices.

Size Inches	Brand New	Over-hauled	Size Inches	Brand New	Over-hauled
$1^{3}/_{16}$	**$3.25**	**$2.00**	$2^{7}/_{16}$	**$7.15**	**$4.40**
$1^{1}/_{4}$	**3.25**	**2.00**	$2^{11}/_{16}$	**8.15**	**5.00**
$1^{7}/_{16}$	**3.90**	**2.40**	$2^{15}/_{16}$	**9.75**	**6.00**
$1^{1}/_{2}$	**3.90**	**2.40**	$3^{3}/_{16}$	**12.35**	**7.60**
$1^{11}/_{16}$	**4.55**	**2.80**	$3^{7}/_{16}$	**14.00**	**8.60**
$1^{15}/_{16}$	**5.55**	**3.40**	$3^{11}/_{16}$	**15.95**	**9.80**
$2^{3}/_{16}$	**6.50**	**4.00**	$3^{15}/_{16}$	**18.20**	**11.20**

Patent Compression Couplings

16-G-25. **These couplings do away with keyseating. Guaranteed to hold the shafting securely and not slip.** Easy to install. Furnished with wrench for applying.

Inch	Each	Inch	Each
$^{3}/_{4}$	**$2.80**	$1^{11}/_{16}$	**$5.00**
1	**3.20**	$1^{15}/_{16}$	**6.40**
$1^{3}/_{16}$	**3.80**	$2^{3}/_{16}$	**7.20**
$1^{1}/_{4}$	**4.00**	$2^{7}/_{16}$	**8.60**
$1^{7}/_{16}$	**4.40**	$2^{11}/_{16}$	**10.40**
$1^{1}/_{2}$	**4.40**	$2^{15}/_{16}$	**12.80**

Jaw Clutch Couplings

16-G-11. **Square Jaw**

We furnish these only in the square or spiral jaw, the spiral jaws are made either for right or left hand. Always specify in ordering spiral jaw which hand is wanted.

Note illustration. Prices quoted on coupling include clutch band or lever. Write for prices.

Brand New Rigid Pillow Blocks

16-G-13. Heavy and suitable for all ordinary work, babbitted with the best grade of babbitt for shaft service. Bases are ground smooth to insure accurate alignment and both ends are bored and faced. Sizes given are for diameter of shaft.

Size, inches	$^{3}/_{4}$	1	$1^{3}/_{16}$	$1^{1}/_{4}$
Price, each	**60c**	**65c**	**75c**	**75c**
Size, inches	$1^{7}/_{16}$	$1^{1}/_{2}$	$1^{11}/_{16}$	$1^{15}/_{16}$
Price, each	**$1.00**	**$1.00**	**$1.40**	**$1.85**
Size, inches	$2^{3}/_{16}$	$2^{7}/_{16}$	$2^{11}/_{16}$	$2^{15}/_{16}$
Price, each	**$2.35**	**$2.70**	**$3.40**	**$4.10**

Overhauled CAST IRON PULLEYS *Brand New*

16-G-35. **We have an enormous stock of overhauled or second hand Iron Pulleys in first class condition, perfectly balanced and for further service practically as good as new. As our stock constantly changes and while we offer a line of sizes, we can not guarantee to furnish second hand pulleys in every instance, so when we are out of second hand pulleys as ordered we will take the liberty of substituting new Iron Pulleys at new prices, unless advised to the contrary. Overhauled Iron Pulleys are fitted with set screws only or key seat only and when both are required, we will do this work, making small extra charge.**

16-G-31. **Brand new iron pulleys, made of the very best of gray iron machine moulded and guaranteed to be perfectly balanced.**

Single belt pulleys are made to transmit power of a single leather belt or a 4-ply fabric belt. Double belt pulleys should be used where a double leather belt or a 5-ply or 6-ply fabric belt is used for heavy transmission of power.

We furnish pulleys bored to fit any size shaft and fitted with either set screws or key seated without extra charge. If both key seat and set screws are wanted we require an additional small charge. These pulleys have to be made, which takes about 4 days.

Dia. In.	Face In.	Single Belt	Double Belt
3	3	.....	$1.55
4	3	.....	1.70
4	4	.....	1.90
4	5	.....	2.10
4	6	.....	2.30
5	3	.....	1.85
5	4	.....	2.00
5	5	.....	2.20
5	6	.....	2.45
6	3	$1.10	.....
6	4	1.25	.....
6	5	1.45	.....
6	6	1.60	.....
6	7	.....	2.05
6	8	.....	2.30
7	3	1.20	.....
7	4	1.40	.....
7	5	1.55	.....
7	6	1.75	.....
7	7	2.00	2.20
7	8	2.20	2.45
8	3	1.35	.....
8	4	1.50	.....
8	5	1.70	.....
8	6	1.90	2.15
8	7	.....	2.40
8	8	.....	2.65
8	9	.....	2.90
8	10	.....	.....
9	3	1.45	.....
9	4	1.65	.....
9	5	1.85	.....
9	6	2.05	2.35
9	7	.....	2.60
9	8	.....	2.90
9	9	.....	3.15
9	10	.....	3.45
10	3	1.55	.....
10	4	1.75	.....
10	5	2.00	.....
10	6	2.20	2.50
10	7	.....	2.80
10	8	.....	3.10
10	9	.....	3.40
10	10	.....	3.75
10	12	.....	4.50
12	3	1.80	.....
12	4	2.05	.....
12	5	2.80	.....
12	6	2.55	2.90
12	8	.....	3.60
12	10	.....	4.30
12	12	.....	5.10
13	3	1.85	.....
13	4	2.05	.....
13	5	2.45	.....
13	6	2.75	.....
13	8	.....	3.85
13	10	.....	4.60
13	12	.....	5.45
13	14	.....	6.30
14	3	2.05	.....
14	4	2.35	.....
14	5	2.55	.....
14	6	2.90	3.35
14	7	.....	3.75
14	8	.....	4.15
14	10	.....	5.00
14	12	.....	5.85
14	14	.....	6.75
15	3	2.20	.....
15	4	2.45	.....
15	5	2.85	.....
15	6	3.05	3.60
15	8	.....	4.45
15	10	.....	5.35
15	12	.....	6.30
15	14	.....	7.25
16	3	2.35	.....
16	4	2.60	.....
16	5	2.90	.....
16	6	3.25	3.75
16	7	.....	4.25
16	8	.....	4.60
16	10	.....	5.55
16	12	.....	6.50
16	14	.....	7.50
17	3	2.45	.....
17	4	2.75	.....
17	5	3.15	.....
17	6	3.50	4.00
17	8	.....	4.95
17	10	.....	5.90
17	12	.....	6.95
18	3	2.60	.....
18	4	2.95	.....
18	5	3.30	.....
18	6	3.70	4.30
18	7	.....	4.80
18	8	.....	5.30
18	10	.....	6.35
18	12	.....	7.45
18	14	.....	8.55
20	4	3.35	.....
20	5	3.80	.....
20	6	4.25	.....
20	8	.....	.....
20	10	.....	7.20
20	12	.....	8.45

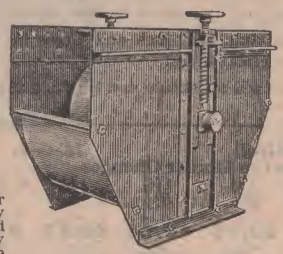
Dia. In.	Face In.	Single Belt	Double Belt
20	14	.....	$9.75
22	4	$3.70	.....
22	5	4.25	.....
22	6	4.75	5.40
22	8	.....	6.65
22	10	.....	8.00
22	12	.....	9.35
22	14	.....	10.80
23	5	4.45	.....
24	4	4.10	.....
24	5	4.70	.....
24	6	5.25	6.00
24	8	.....	7.45
24	10	.....	8.90
24	12	.....	10.45
24	14	.....	12.00
26	4	4.50	.....
26	5	5.15	.....
26	6	5.75	6.70
26	8	.....	8.25
26	10	.....	9.90
26	12	.....	11.55
26	14	.....	13.30
28	4	5.00	.....
28	5	5.70	.....
28	6	6.40	7.40
28	8	.....	9.15
28	10	.....	10.90
28	12	.....	12.75
28	14	.....	14.60
30	4	5.45	.....
30	5	6.25	.....
30	6	7.00	8.15
30	8	.....	10.05
30	10	.....	11.95
30	12	.....	13.95
30	14	.....	15.95
32	4	5.95	.....
32	5	6.80	.....
32	6	7.60	8.95
32	8	.....	10.95
32	10	.....	13.05
32	12	.....	15.15
32	14	.....	17.35
34	4	6.50	.....
34	5	7.35	.....
34	6	8.25	9.75
34	8	.....	11.90
34	10	.....	14.15
34	12	.....	16.45
34	14	.....	18.80
36	4	7.10	.....
36	5	8.05	.....
36	6	9.00	10.60
36	8	.....	12.95
36	10	.....	15.35
36	12	.....	17.85
36	14	.....	20.35
36	16	.....	22.95
36	18	.....	25.55

Steel Elevator Boot

$34.50

ADJUSTABLE BEARINGS

REMOVABLE ENDS

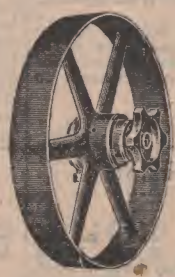


16-G-210.

Splendid new elevator boots made of heavy sheet steel reinforced by angles. Strongly held together with rivets, bolts or rods. Removable ends make cleaning easy in case of choke-down. Babbitted bearings are adjustable. Furnished regularly with pulley. Sprocket wheels furnished if wanted in place of pulleys without extra charge. When sprocket is wanted give number of chain.

Bucket Size inches	Belt Width inches	Pulley Size inches	Price each
5x4	5½	10x 6	$34.50
6x4	6½	12x 7	36.25
7x4½	8	14x 9	37.75
8x5	9	14x10	46.20
9x5	10	16x11	49.15
10x5½ to 7	11	16x12	53.90
11x6	12	16x13	55.70
11x7	12	18x13	57.15
12x6 to 7	13	18x14	61.45
14x6 to 7	15	18x16	65.80

The Harris Clutch Pulley for Cream Separators



The best clutch pulley on the market to operate cream separator where power is used—picks up the load more gradually and evenly than any other make. The separator is started from rest and reaches its normal speed without a jerk or jar. This adds life to the separator and eliminates unnecessary repairs.

Only four parts, including the pulley, to the whole outfit; will more than pay for itself in four months' running.

Size, 14-inch Diameter; 2-inch Face.

Specify make of Separator and size of Spindle.

16-G-1060. Weight, 15 lbs.

Price..... **$5.00**

Dia. In.	Face In.	Single Belt	Double Belt
3	3	.....	$2.48
4	3	.....	2.68
4	4	.....	3.00
4	5	.....	3.32
4	6	.....	3.68
5	3	.....	2.92
5	4	.....	3.20
5	5	.....	3.52
5	6	.....	3.92
6	3	$1.76	.....
6	4	2.00	.....
6	5	2.28	.....
6	6	2.56	.....
6	7	.....	3.28
6	8	.....	3.64
7	3	1.92	.....
7	4	2.20	.....
7	5	2.48	.....
7	6	.....	2.80
7	7	.....	3.52
7	8	.....	3.92
8	3	2.12	.....
8	4	2.40	.....
8	5	2.72	.....
8	6	3.04	3.40
8	7	.....	3.80
8	8	.....	4.20
8	9	.....	4.64
8	10	.....	5.08
9	3	2.32	.....
9	4	2.60	.....
9	5	2.92	.....
9	6	3.28	3.72
9	7	.....	4.16
9	8	.....	4.60
9	9	.....	5.04
9	10	.....	5.52
10	3	2.48	.....
10	4	2.80	.....
10	5	3.16	.....
10	6	3.52	4.00
10	7	.....	4.44
10	8	.....	4.92
10	9	.....	5.44
10	10	.....	6.00
10	11	.....	6.20
10	12	.....	7.16
12	3	2.88	.....
12	4	3.24	.....
12	5	3.64	.....
12	6	4.08	4.64
12	7	.....	5.16
12	8	.....	5.72
12	9	.....	6.28
12	10	.....	6.88
12	11	.....	7.52
12	12	.....	8.12
13	3	3.08	.....
13	4	3.48	.....
13	5	3.92	.....
13	6	4.40	4.96
13	7	.....	5.52
13	8	.....	6.12
13	9	.....	6.72
13	10	.....	7.36

Dia. In.	Face In.	Single Belt	Double Belt
13	11	.....	8.04
13	12	.....	8.68
13	13	.....	9.65
13	14	.....	10.62
14	3	3.24	.....
14	4	3.72	.....
14	5	4.08	.....
14	6	4.60	5.36
14	7	.....	6.00
14	8	.....	6.64
14	9	.....	7.28
14	10	.....	7.96
14	11	.....	8.68
14	12	.....	9.36
14	13	.....	10.08
14	14	.....	10.80
15	4	3.88	.....
15	5	4.52	.....
15	6	4.88	5.72
15	7	.....	6.40
15	8	.....	7.08
15	9	.....	7.80
15	10	.....	8.52
15	11	.....	9.28
15	12	.....	10.04
15	13	.....	11.04
15	14	.....	12.14
16	4	4.16	.....
16	5	4.64	.....
16	6	5.20	5.96
16	7	.....	6.80
16	8	.....	7.36
16	9	.....	8.08
16	10	.....	8.84
16	11	.....	9.64
16	12	.....	10.40
16	13	.....	11.20
16	14	.....	12.00
18	3	4.16	.....
18	4	4.68	.....
18	5	5.28	.....
18	6	5.92	6.84
18	7	.....	7.64
18	8	.....	8.44
18	9	.....	9.28
18	10	.....	10.12
18	11	.....	11.00
18	12	.....	11.88
20	4	5.32	.....
20	5	6.04	.....
20	6	6.80	7.72
20	7	.....	8.64
20	8	.....	9.56
20	9	.....	10.52
20	10	.....	11.48
20	11	.....	12.48
20	12	.....	13.48
20	13	.....	14.52
20	14	.....	15.56
22	3	5.08	.....
22	4	5.92	.....
22	5	6.76	.....
22	6	7.60	8.60
22	7	.....	9.60
22	8	.....	10.64
22	9	.....	11.68
22	10	.....	12.76
22	11	.....	13.88
22	12	.....	14.96
22	13	.....	16.12
22	14	.....	17.24
24	3	5.64	.....
24	4	6.56	.....
24	5	7.48	.....
24	6	8.40	9.60
24	7	.....	10.72
24	8	.....	11.88
24	9	.....	13.04
24	10	.....	14.24
24	11	.....	15.48
24	12	.....	16.68
24	13	.....	17.96
24	14	19.20	.....

Overhauled Wood Split Pulleys

16-G-29. **These are overhauled used pulleys all in good condition. Some are just shopworn and often we have odd lots of new pulleys in this lot.**

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron or any other kind of a pulley without slipping.

We recommend the use of Wood Split Pulleys in all dry places.

Diam. Inches	Face, Inches 3	4	5	6	8	10	12
3	$1.10	$1.15	$1.25	$1.30	.....	.....	.....
4	1.10	1.15	1.25	1.30	$1.50	$1.65	$1.80
5	1.15	1.20	1.30	1.35	1.55	1.70	1.90
6	1.15	1.20	1.30	1.40	1.60	1.80	2.00
7	1.20	1.20	1.35	1.45	1.65	1.90	2.10
8	1.20	1.25	1.35	1.50	1.70	1.95	2.20
9	1.25	1.30	1.45	1.55	1.80	2.10	2.35
10	1.30	1.35	1.50	1.65	1.90	2.20	2.50
11	1.40	1.50	1.65	1.80	2.10	2.45	2.75
12	1.50	1.60	1.80	1.95	2.30	2.70	3.05
13	1.70	1.70	1.90	2.10	2.50	2.90	3.30
14	1.85	1.85	2.05	2.30	2.70	3.15	3.60
15	1.95	1.95	2.20	2.45	2.90	3.40	3.90
16	2.10	2.10	2.35	2.60	3.10	3.65	4.15
17	2.20	2.20	2.50	2.75	3.30	3.90	4.45
18	2.30	2.30	2.60	2.90	3.50	4.10	4.70
19	2.45	2.45	2.75	3.10	3.70	4.35	5.00
20	2.55	2.55	2.90	3.25	3.90	4.60	5.30
22	2.80	2.80	3.20	3.55	4.30	5.10	5.85
24	3.10	3.10	3.50	3.95	4.85	5.70	6.60
26	.....	3.35	3.85	4.35	5.35	6.35	7.35
28	.....	3.65	4.20	4.75	5.90	7.00	8.10
30	.....	3.90	4.55	5.15	6.40	7.65	8.90
32	.....	4.20	4.90	5.55	6.90	8.30	9.65
34	.....	4.50	5.25	6.00	7.50	8.95	10.45
36	.....	4.85	5.65	6.45	8.05	9.65	11.25
38	.....	.....	.....	6.90	8.60	10.30	12.05
40	.....	.....	.....	7.30	9.15	11.00	12.85
42	.....	.....	.....	7.85	9.85	11.85	13.85

Overhauled Steel Split Pulleys

16-G-80. **We are constantly receiving steel split pulleys in good, usable condition, which come to us in connection with our daily purchases of factories and complete plants. Steel split pulleys are furnished with bushings. Prices below save you a comfortable amount.**

Diam. Inches	Face, Inches 3	4	5	6	8	10	12
3	$1.20	$1.25	.....	.....	.....	.....	.....
4	1.25	1.30	$1.40	.....	.....	.....	.....
5	1.30	1.40	1.45	.....	.....	.....	.....
6	1.65	1.75	1.90	$2.05	.....	.....	.....
7	1.70	1.80	1.85	2.10	.....	.....	.....
8	1.75	1.90	2.05	2.20	$2.50	$2.80	.....
9	1.80	1.95	2.10	2.25	2.55	2.90	.....
10	1.90	2.05	2.20	2.35	2.65	2.95	$3.25
11	1.95	2.10	2.25	2.40	2.70	3.00	3.45
12	2.10	2.35	2.40	2.65	2.90	3.25	3.85
13	2.20	2.40	2.60	2.80	3.20	3.60	4.20
14	2.25	2.60	2.85	3.10	3.55	4.00	4.50
15	2.35	2.75	2.90	3.30	3.85	4.40	4.85
16	2.50	2.90	3.05	3.45	4.15	4.75	5.25
17	2.65	3.00	3.25	3.65	4.40	5.05	5.65
18	2.80	3.20	3.50	3.85	4.65	5.35	6.00
19	2.90	3.40	3.75	4.15	5.05	5.65	6.45
20	3.00	3.75	4.05	4.50	5.35	6.00	7.15
22	3.25	4.30	4.75	5.15	6.00	7.05	8.40
24	3.75	4.45	5.00	5.50	6.60	7.85	9.55
26	.....	4.80	.....	6.00	7.20	8.55	10.65
28	.....	5.40	.....	6.45	7.75	9.10	11.45
30	.....	6.00	.....	7.05	8.65	9.95	12.40
32	.....	6.60	.....	7.75	9.70	11.25	13.45
34	.....	7.20	.....	8.65	10.90	12.75	15.00
36	.....	7.95	.....	9.75	12.00	14.35	16.90
38	.....	9.75	.....	10.90	13.20	15.55	18.60
40	.....	10.50	.....	12.00	14.25	16.90	20.10
42	.....	11.65	.....	13.15	16.15	18.75	21.75
44	.....	.....	.....	14.65	17.80	20.65	23.65
46	.....	.....	.....	16.50	19.50	22.50	25.15
48	.....	.....	.....	18.40	21.00	24.40	27.00
50	.....	.....	.....	20.45	23.65	26.65	29.25

If Out of Overhauled Pulleys

we shall take liberty of substituting new unless advised otherwise.

Reeves Brand New Wood Split Pulleys

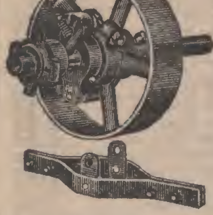
16-G-75. **Furnished complete with bushings and guaranteed to run perfectly true on shaft.**

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron.

When placing order advise size of shaft. Also whether straight or crown face pulley is wanted; otherwise we will furnish crown face.

Diam. Inches	Face, Inches 3	4	5	6	8	10	12
3	$2.10	$2.20	$2.35	$2.50	....	....	....
4	2.10	2.20	2.35	2.50	$2.80	$3.10	$3.40
5	2.15	2.20	2.40	2.55	2.90	3.25	3.55
6	2.20	2.25	2.45	2.65	3.00	3.40	3.75
7	2.20	2.30	2.50	2.70	3.10	3.55	3.95
8	2.25	2.35	2.55	2.80	3.25	3.80	4.15
9	2.35	2.45	2.70	2.95	3.40	3.90	4.40
10	2.45	2.55	2.80	3.10	3.60	4.15	4.65
11	2.65	2.80	3.10	3.40	4.00	4.60	5.20
12	2.80	3.00	3.35	3.80	4.35	5.05	5.70
13	3.25	3.25	3.60	4.00	4.75	5.50	6.25
14	3.45	3.45	3.85	4.30	5.10	5.95	6.75
15	3.80	3.80	4.15	4.60	5.50	6.40	7.30
16	3.90	3.90	4.40	4.90	5.85	6.85	7.80
17	4.15	4.15	4.65	5.20	6.25	7.30	8.35
18	4.35	4.35	4.90	5.50	6.60	7.75	8.85
19	4.60	4.60	5.20	5.80	6.90	8.20	9.40
20	4.80	4.80	5.45	6.10	7.35	8.65	9.90
22	5.25	5.25	5.95	6.70	8.10	9.55	10.95
24	5.80	5.80	6.60	7.45	9.10	10.75	12.40
26	....	6.30	7.25	8.20	10.05	11.95	13.80
28	....	6.85	7.90	8.95	11.05	13.15	15.25
30	....	7.35	8.50	9.70	12.00	14.35	16.65
32	....	7.90	9.15	10.45	13.00	15.55	18.10
34	....	8.50	9.85	11.25	14.05	16.80	19.60
36	....	9.10	10.60	12.10	15.10	18.10	21.10

FRICTION CLUTCH PULLEYS For Line Shafts and Machines of all Kinds



The Friction Clutch Pulley, by its use a gradual starting or stopping of the pulley may be effected by throwing the lever in and out, also the reduction in cost of maintenance and saving of power. Lot No. *16-G-290.*

Furnished complete with collar and yoke. When ordering, advise size of shaft, H. P. and speed.

Diam. In.	Face In.	Price	Diam. In.	Face In.	Price
6	3	$13.70	12	6	$21.90
6	4	14.15	14	3	16.70
6	6	15.80	14	4	17.70
7	3	13.95	14	6	23.20
7	4	14.50	16	3	18.00
7	6	16.25	16	4	19.00
8	3	14.25	16	5	23.50
8	4	14.90	18	3	18.85
8	6	16.70	18	4	20.25
10	3	15.20	18	5	24.95
10	4	15.95	20	3	19.90
10	6	13.00	20	4	24.15
10	8	23.20	22	3	21.75
12	3	15.95	22	4	26.20
12	4	16.80	24	3	25.65

Write for Prices on Larger Sizes

Gasoline Engine Clutch Pulley

16-G-291. This Clutch Pulley is compact and efficient; is inexpensive, and very simple; has fewer parts than any other clutch made.

Our Gasoline Engine Clutch Pulleys can be attached to any engine, new or old, by any one. The pulley is made to slip over end of shaft and fasten with key or set screws. Prices on larger sizes quoted on application.

Diam. Pulley	Face of Pulley 4	5	6	8	10	H. P. of Engine	Largest Bore
6	$14.70	$15.75	$16.50	.....	.....	2½ or less	1½
7	15.05	16.35	17.00	.....	.....	2½ or less	1½
8	15.50	16.80	17.50	.....	.....	2½ or less	1½
8	18.30	19.60	20.30	.....	.....	6 or less	2⅛
10	16.65	.....	.....	.....	.....	2½ or less	1½
10	19.40	20.85	21.75	$24.40	.....	6 or less	2⅛
12	17.60	.....	.....	.....	.....	2½ or less	1½
12	20.40	21.95	23.00	26.00	$29.60	6 or less	2⅛
14	18.60	.....	.....	.....	.....	2½ or less	1½
14	21.40	23.20	24.40	27.85	31.70	6 or less	2⅛

When ordering Gasoline Engine Clutch Pulleys, always state width and depth of key seat, diameter of crank shaft, length or projecting shaft, H. P. and speed of engine.

Malleable Link Chain Belting

16-G-809. Brand new, for use on Mowers, Reapers, Binders, Cornand Wheat Drills, Corn Shellers, Straw Stackers, Feed Cutters, Saw Dust Conveyors, etc.

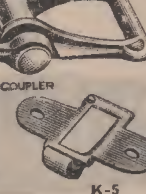
When ordering chain be sure and give number. If the chain is so worn that number is effaced, it is advisable to send a sample link.

No.	Links ft.	Working Strain	Approximate Leather Belting in. Single	Price per ft.
25	13.3	75 lbs.	1 in.	11c
32	10.4	150 lbs.	1½ in.	11c
33	8.6	200 lbs.	2 in.	11c
34	8.6	225 lbs.	2½ in.	12c
35	7.4	250 lbs.	2½ in.	13c
42	8.8	300 lbs.	3 in.	13c
45	7.4	350 lbs.	3½ in.	11c
51	10.4	375 lbs.	3½ in.	16c
52	8.0	400 lbs.	4 in.	16c
55	7.4	450 lbs.	4 in.	14c
57	5.2	600 lbs.	6 in.	17c
62]	7.3	650 lbs.	6½ in.	19c
67	5.2	700 lbs.	7 in.	20c
77	5.2	750 lbs.	7½ in.	22c

Attachment Links for Chain Belting

Made of Malleable

16-G-23. **Attachment Links are made to fit** the sizes of chains as listed below, and must not be ordered, except to match the size we state they will fit. For example, it will be noticed that the H2 attachment is only made for No. 25 chain, and must not therefore be ordered to be used on any other size.



Chain No. 25 takes A1-C1-H2-K1
Chain No. 32 takes A1-C1-E1-K1
Chain No. 33 takes A1-E1-K1-S1
Chain No. 34 takes A1-C1-E1-K1
Chain No. 35 takes A1-C1-E1-K1-S-1
Chain No. 42 takes A1-C1-K1-S1
Chain No. 45 takes A1-A2-C1-E1-F2-K1-S1
Chain No. 52 takes A1-A3-F2-K1.
Chain No. 55 takes A1-C1-E1-F2-K1-S1-S5
Chain No. 57 takes A1-F2-K1
Chain No. 62 takes A1-C1-K1-K5-S1
Chain No. 67 takes A1-E1-F2-K1
Chain No. 77 takes A1-E1-F2-H1-K1-R3.

Attachments for No. 25 and 32 Chain. Each... **4c**
Couplers for No. 25 and 32 Chain. Per Pair..... **11c**
Attachments for Nos. 33,34 and 42 Chain. Each. **5c**
Couplers for Nos. 33, 34 and 42 Chain. Per Pair. **13c**
Attachments for Nos. 35, 45, 52, 55 and 62 Chain. Each..... **7c**
Couplers for Nos. 35, 45 and 55 Chain. Per Pair. **13c**
Couplers for Nos. 51, 52 and 57 Chain. Per Pair. **17c**
Attachments for Nos. 57, 67 and 77 Chain. Each. **11c**
Couplers for Nos. 62, 67 and 77 Chain. Per Pair. **22c**

The Chain Couplers are a most useful device to place and connect link belting around the sprocket and have it without slack, and is equally desirable in taking it off the sprocket.

When ordering attachments A-1, A-2, A-3 or R3, advise whether you want Right or Left Hand style.

Brand New Sprocket Wheels

16-G-805. **Used in connection with Link Belting.** We will furnish these bored to fit any size shaft not exceeding the size described, in connection with each number. In ordering be sure and state size of shaft and whether the sprockets are to be key-seated or set screws or both. Unless otherwise specified they will be furnished with set screws only.

NO. 25—BORE 1 7/16 INCH AND LESS

Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth	Price Each
2	7	$1.30	7½	26	$2.40
2¼	8	1.35	8	28	2.55
2½	9	1.40	10	35	3.05
3	10	1.45	12	42	3.60
3½	12	1.50	13	45	4.10
4	14	1.55	14½	50	4.50
5	17	1.70	15	52	4.65
5½	19	1.85	16	56	4.95
7	24	2.25	18¼	64	5.70

NO. 32—BORE 1 7/16 INCH AND LESS

2	5	$1.40	8	22	$2.70
2½	7	1.45	8¾	24	2.90
3	8	1.50	10	27	3.25
3¼	9	1.55	11¾	32	3.80
4	11	1.60	12¼	34	4.05
4½	12	1.65	13¼	36	4.35
5¼	14	1.80	14	38	4.55
5¾	16	2.00	14¾	40	4.80
7½	20	2.45			

NOS. 33 AND 34—BORE 1 7/16 INCH AND LESS

2¾	6	$1.50	10¾	24	$3.55
3½	8	1.55	12	27	3.90
4½	10	1.70	13½	30	4.50
5	11	1.80	15¼	34	5.00
5½	12	1.85	16	36	5.25
6¾	15	2.25	18¼	41	5.90
8	18	2.70	18¾	42	6.05
8½	19	2.85	24	54	7.95
9	20	3.00	28½	64	9.75

NOS. 35, 45, 55—BORE 1 15/16 INCH AND LESS

2½	5	$1.55	17	33	$6.40
3½	7	1.65	18	35	6.80
4¾	9	1.85	20¼	39	7.60
5¾	11	2.15	21¾	42	8.25
6¾	13	2.55	22¾	44	8.60
7¾	15	2.95	23¾	46	9.05
8¾	17	3.35	24¾	48	9.45
9¾	19	3.70	25¾	50	9.90
11	21	4.05	28	54	10.85
12	23	4.40	30	58	11.70
15	29	5.60	31	60	12.30
16	31	6.00	36	69	15.55

NO. 42—BORE 1 11/16 INCH AND LESS

2¾	6	$1.60	9½	22	$3.55
3¾	8	1.65	11½	26	4.20
4¾	11	1.90	12¼	28	4.50
5¼	12	2.00	14	32	5.25
6	14	2.25	15¾	36	5.85
7	16	2.55	17¾	41	6.60
8	18	2.85	20	46	7.35
8¾	20	3.20	24	55	8.95

NO. 52—BORE 1 15/16 INCH AND LESS

3	6	$1.60	15¼	32	$6.00
3¾	8	1.75	17¼	36	6.75
4¾	10	2.00	19¼	40	7.50
5¼	11	2.20	22	46	8.60
6¾	14	2.75	23½	49	9.20
7¾	16	3.05	24½	51	9.55
8¾	18	3.45	25	52	9.75
9½	20	3.80	26	54	10.20
10½	22	4.20	26½	55	10.40
12½	26	4.95	28¾	60	11.60
13½	28	5.30	30½	64	12.75

NOS. 57, 67, 77—BORE 2 7/16 INCH AND LESS

4	5	$1.80	19¾	27	$8.25
4¾	6	2.10	22	30	9.15
5¼	7	2.40	23½	32	9.75
6	8	2.70	25	34	10.50
7½	10	3.20	26½	36	11.10
9	12	3.75	28	38	11.70
10¼	14	4.35	30	41	12.95
11¾	16	4.95	32½	44	14.60
13¼	18	5.55	36	49	17.45
14¾	20	6.15	38½	52	19.10
16¼	22	6.75	41½	56	21.35
17¾	24	7.35			

NO. 62—BORE 2 7/17 INCH AND LESS

3¾	7	$1.75	12¼	23	$5.05
4¼	8	1.80	13¾	26	5.70
4¾	9	1.95	14¾	28	6.05
5¼	10	2.10	15¾	30	6.50
5¾	11	2.40	18	34	7.35
6¼	12	2.70	20	38	8.25
6¾	13	2.90	21½	41	8.90
7½	14	3.15	23	43	9.35
8	15	3.35	25¼	48	10.50
8½	16	3.50	30½	58	13.05
10	19	4.20			

Write for prices on No. 51 Sprocket Wheels and sizes not listed.

Hose for All Purpose Use!

Will Not Kink

Molded Braided Garden Hose

The most popular, durable rubber garden hose on the market is the molded constructed. It will not kink like the ordinary wrapped hose as it is molded under high pressure both external and internal. No seams in either the duck or rubber and will stand the highest water pressure. All high grade Brand New Stock, guaranteed to satisfy.

Lot No. *3-G-33.* Size, 5/8-inch inside single braid non-kinking, black corrugated molded hose, furnished with standard 3/4-inch brass couplings, attached each end.

25-Foot Lengths, with couplings attached $3.20
50-Foot Lengths, with couplings attached 6.20

Cut in any lengths, per foot 12c
Couplings attached, extra per set 25c

Lot No. *3-G-34.* Size, 3/4-inch inside, single braid, non-kinking, black corrugated molded hose, furnished with standard 3/4-inch brass couplings.

25-Foot Lengths, with couplings attached **$3.55**
50-Foot Lengths, with couplings attached **6.95**

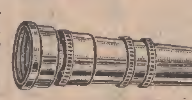
Cut in any lengths, per foot **13½c**
Couplings attached, extra per set **25c**

Lot No. *3-G-35.* Size, 3/4-inch inside, double braid, non-kinking, red corrugated molded hose, furnished with standard 3/4-inch brass couplings attached each end.

25-Foot Lengths, with couplings attached **$3.95**
50-Foot Lengths, with couplings attached **7.70**

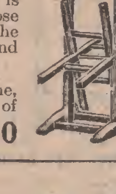
Cut in any lengths, per foot **15c**
Couplings attached, extra per set **25c**

Hose Nozzle



3-G-55. "Gem" pattern will throw a solid stream or spray. Size for 3/4" hose coupling. Price, each **65c**

Hose Reels

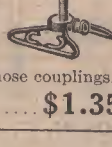


3-G-47. The use of a reel is recommended, as it drains the hose when winding in; also prevents the unnecessary wear. Be sure and order a reel with your hose.

Are oil finished, hardwood frame, iron wheels, capacity, 100 feet of 3/4-inch hose. Price **$1.90**

Whirlwind Revolving Lawn Sprinkler

$1.35



3-G-49. The most popular Sprinkler offered. Brass head and arms. Sprinkler's height is 12 inches, with three 6-inch brass arms. Has loose swivel in sled. Covers a large area. The head is easy running and will operate equally as well under a low as a high pressure. This is a very handsome lawn fixture and can be placed anywhere without shutting off the water. Will fit 3/4" hose couplings.

Price, each **$1.35**

Cotton Rubber Lined Fire Hose

3-G-42. For fire protection purposes. This is a single jacketed cotton rubber lined mill hose, tested to 250 pounds and furnished complete with automatic brass couplings which require no clamps. Every length fully guaranteed. In ordering, be sure and state whether the couplings are to fit standard iron pipe or hose thread.

Inside Diameter Inches	Price Per Length 25 Feet	Price Per Length 50 Feet
1¼	$ 8.00	$14.40
1½	8.95	16.05
2	11.95	21.25
2½	14.50	25.90

High Grade Steam Hose

3-G-40. This is an extra high grade hose, the inner tube of which is specially compounded to resist the action of heat. Walls are made of heavy duck and guaranteed fully in every particular. Furnished in multiples of 5 ft. only up to 50 ft.

Inside Diameter Inches	4-Ply for 35 lbs. steam or less per ft.	5-Ply for 50 lbs. steam or less per ft.	6-Ply for 75 lbs. steam or less per ft.
½	39c	....	....
¾	51c	61c	71c
1	63c	75c	88c
1¼	74c	88c	107c

Water Hose for General Purposes

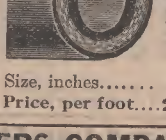
3-G-39. This is a high grade hose and a better quality than used for lawn and sprinkling purposes. It is made to stand hard usage. We furnish it in lengths of 5, 10, 15, 20, 25, 30, 35, 40, 45 and 50 feet. Prices do not include couplings.

Inside Diameter, in., 1 , 4-Ply **38c**
Inside Diameter, in., 1¼, 4-Ply **45c**
Inside Diameter, in., 1½, 4-Ply **56c**

Two Inch Tank Suction Hose

3-G-46. This is the regular standard Thresherman's Suction Hose, with steel wire inserted in walls to prevent collapsing. Has large rubber ends and will fit over 2-inch tank pump connection. Sold in lengths of 10, 15, 20 and 25 feet only. Size, inside diameter, 2 inches. **Price, per foot** **47c**

Hard Rubber Suction Hose



3-G-43. Hard Rubber Suction Hose, smooth bore, extra heavy walls which will prevent collapsing when in use. Sold in lengths in multiples of 5 feet to 50 feet inclusive. Prices do not include couplings or clamps.

Size, inches.......	¾	1	1¼	1½
Price, per foot....	**23c**	**29c**	**33c**	**52c**

New Hose Remnants!

This is a miscellaneous lot of new hose in remnants and regular lengths at bargain prices. Subject to prior sale. Order by Lot No. 3G50.

1	10' length—1" 3 ply Water Hose	**$1.20**
1	20' length—1" 3 ply Water Hose	**2.40**
5	10' lengths—1" 4 ply Water Hose, each	**1.50**
1	15' length—1" 4 ply Water Hose	**2.25**
1	7' length—1" 5 ply Water Hose	**1.33**
1	12' length—1" 5 ply Water Hose	**2.28**
1	16' length—1" 5 ply Water Hose	**3.04**
1	17' length—1" 5 ply Water Hose	**3.23**
1	19' length—1" 5 ply Water Hose	**3.61**
2	20' lengths—1" 5 ply Water Hose, each	**3.80**
1	22' length—1" 5 ply Water Hose	**4.18**
1	24' length—1" 5 ply Water Hose	**4.56**
1	10' length—1" 6 ply Water Hose	**2.00**
3	15' lengths—1" 8 ply Water Hose, each	**3.00**
2	10' lengths—1¼" 4 ply Water Hose, each	**1.90**
1	11' length—1¼" 5 ply Water Hose	**2.09**
1	13' length—1¼" 5 ply Water Hose	**2.47**
1	15' length—1¼" 5 ply Water Hose	**2.85**
2	10' lengths—1½" 3 ply Water Hose, each	**1.80**
1	20' length—1½" 3 ply Water Hose	**2.16**
2	10' lengths—1½" 4 ply Water Hose, each	**2.30**
1	13' length—1½" 4 ply Water Hose	**2.99**
1	14' length—1½" 4 ply Water Hose	**3.22**
2	15' lengths—1½" 4 ply Water Hose, each	**3.45**
1	8' length—1½" 5 ply Water Hose	**2.32**
1	10' length—1½" 5 ply Water Hose	**2.90**
1	12' length—1½" 5 ply Water Hose	**3.48**
1	3' length—2 " 4 ply Water Hose	**.90**
1	10' length—2 " 4 ply Water Hose	**3.00**
1	10' length—2¼" 4 ply Water Hose	**3.40**
1	50' length—2¼" 4 ply Water Hose	**17.00**
1	13' length— ½" 4 ply Steam Hose	**1.82**
1	10' length— ¾" 4 ply Steam Hose	**1.80**
1	10' length— ¾" 5 ply Steam Hose	**2.20**
3	15' lengths— ¾" 5 ply Steam Hose, each	**3.30**
1	14' length—1 " 5 ply Steam Hose	**3.78**
1	10' length—1 " 6 ply Steam Hose	**3.20**
1	10' length—1¼" 4 ply Steam Hose	**2.60**
2	20' lengths—1¼" 4 ply Steam Hose, each	**5.20**
1	35' length—1¼" 4 ply Steam Hose	**9.10**
1	50' length—1¼" 4 ply Steam Hose	**13.00**
1	10' length—1¼" 5 ply Steam Hose	**3.30**
1	9' length—1¼" 6 ply Steam Hose	**3.51**
2	10' lengths—1¼" 6 ply Steam Hose, each	**3.90**
1	15' length—1¼" 6 ply Steam Hose	**5.85**
1	9' length—1½" 5 ply Steam Hose	**3.51**
1	9' length—1½" 6 ply Steam Hose	**4.23**
1	10' length—1½" 6 ply Steam Hose	**4.70**
1	16' length—1½" 6 ply Steam Hose	**7.52**
5	50' lengths— ¾" Suction Hose, each	**6.00**
2	10' lengths—1 " Suction Hose, each	**1.50**
1	15' length—1 " Suction Hose	**2.25**
2	10' lengths—1¼" Suction Hose, each	**1.80**
1	25' length—1¼" Suction Hose	**4.50**
1	9' length—1½" Suction Hose	**2.07**
10	10' lengths—1½" Suction Hose, each	**2.30**
1	15' length—1½" Suction Hose	**3.45**
2	20' lengths—1½" Suction Hose, each	**4.60**
	20' length— ¾" 4 ply Air Hose	**2.80**
2	10' lengths—1 " 5 ply Air Hose, each	**1.80**
11	10' lengths— ¾" Gasoline Hose	**2.00**
9	12' lengths— ¾" Gasoline Hose, each	**2.40**
2	10' lengths—1 " Gasoline Hose, each	**2.50**

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It's Easy to Order from This Book

EVERY illustration and statement in this catalog has been made with but one object in view—to make it easy for you to order your needs with a feeling of safety. We have endeavored to confine our descriptions to plain language, easily read and understood by any one. An order blank is enclosed with this book. Write your name, postoffice and shipping address plainly and list the numbers of all articles, being careful to give size, finishes, colors, etc. Then mail your order to us in the envelope enclosed and we will do the rest. If you have never dealt with us before, please read over the following points of information. Follow these buying points and you will aid us in giving you best service.

Please Read How We Handle Your Order

Our mail comes to us just the same as yours reaches you. At regular hours each day the mail carrier from the Chicago Postoffice delivers our mail within our steel enclosed mail receiving department. Here it is received by our confidential bonded mail receiving clerks. Your letters and orders are carefully opened and any remittance enclosed is recorded and credited under your name. It is here your order is given its official number and a post card acknowledgment sent to you.

After mailing your order, please wait a reasonable length of time for this postal acknowledgment.

Unless prompt shipment can be made, you will be notified of the progress of your order and fully informed of any unforeseen delay.

Every article in this book (with the exception of a few made-to-order items) is carried in stock ready for immediate shipment from our headquarters warehouses here in Chicago or will be promptly shipped from warehouses at points of purchase as stated in the descriptions.

Make use of the index. It saves you time and tells you where the item you are looking for may be found in all sections of this book.

An order blank and return envelope are enclosed. Use them for your order and ask for more. All orders from the same home should be sent to us always under the same name, preferably the name of the head of the family.

Club together with your neighbors. Have them include their orders with yours and get the benefit of large shipments at all times.

Write us in any language. We maintain a foreign department for your convenience.

Wherever possible include cash in full with your order in conformity with our regular terms. Postoffice money orders, express money orders, bank drafts, cash ***by registered mail,*** postage stamps or your personal check are acceptable. Where possible avoid sending cash by mail.

If you are forced to enclose cash be sure to register your letter. We are not responsible for cash lost in the mails.

Avoid C. O. D. shipments wherever possible. They are the constant cause of trouble and inconvenience to our customers and offer no possible advantages.

Our system of handling remittances and orders which come to us from our customers is designed to prevent irregularities. Occasionally mistakes will happen and we expect you to call them to our attention.

If you ever have occasion to return anything to us, please pack or wrap it carefully and place your letter of instructions in the package.

Kindly notify us at once if you change your address. This will enable us to send your mail, orders and catalogs to the correct address.

When in Chicago remember our "latch string" is always out to you. You will find our Plant is as interesting as an expedition.

Parcel Post Shipments

Postage in stamps or a sufficient amount to cover delivery must accompany your order.

Merchandise shipped by mail takes the Parcel Post rates as outlined in this table.

Packages up to 4 ozs. are carried for 1c an ounce regardless of distance. If over 4 ozs. they are charged for by the pound.

Size Limit If the combined length and girth measure of a package does not exceed 7 ft., it can be shipped by Parcel Post.

Insurance protection on Parcel Post shipments can be had as follows:

3c insures a package up to $5.00.
5c insures a package up to $25.00.
10c insures a package up to $50.00.
25c insures a package up to $100.00.

Weight Limit A package weighing up to 70 lbs. can be mailed in the first and second zones only. In other zones a package must not weigh over 50 lbs.

Freight Shipments

The Freight Tables Below The tables below show the freight rates per 100 lbs. on shipments from Chicago to properly distributed cities in each state. The railroad companies use these cities as a basis for figuring freight rates to the town in the immediate vicinity of the cities given. By referring to the classification and the freight tables below, you can come within a few cents of the correct freight rate to your town from Chicago on less car loads. Carload rates furnished on application.

How to Figure Freight Charge First look through the classification table directly below and find what class covers the merchandise you wish shipped; then refer to the table of freight rates to the nearest town to your shipping point. Follow the line of that town to the column showing the classification of the goods you wish shipped, and this will give you the freight rate per 100 lbs. within a few cents of the actual charge.

Classification of Material and Merchandise When Shipped by Freight

The railroad companies discriminate in the goods to be shipped and classify them as shown in the tables below in four different classifications. This is how they base the freight rates on all merchandise to every section of the country.

In order that you can figure the correct freight rate to your station, we have classified merchandise which will cover shipments of almost any nature. If you are unable to find the particular article you wish shipped, find that which nearest resembles it.

	Class
Adding Machines	*1½T1
Angle Bars and Plates	4
Anvils	4
Anvil Vise and Drill Comb	3
Asbestos Felt or Paper	3
Asbestos Roofing	4
Asphalt Shingles	4
Asphalt Paint in Wood. Barb Wire	3 4
Barn Door Hanger Rails	3
Barrows, Wheel	1½T1
Basins, Lavatory Iron	2
Bath Tubs, Iron & Steel	1
Bath Tub Fittings	2
Bathroom Cabinets	1
Beams, Columns, Guides, Trusses	4
Beams, Iron or Steel	4
Beds, Folding Iron	2
Beds, Three Pieces, Bedstead Ends and Rails	2
Bedstead Rails and Wire Springs	1
Bedstead Slats, Wooden	3
Bells	1
Belting	2
Blowers, Air	1
Boilers, Heating, Iron or Steel	2
Buckets, Building, Conveying, Dredging and Dump Hoisting	2
Buffets and China Closets or Sideboards Combined	1½T1
Cabinets, China	**D1
Cabinets, Kitchen	D1
Cabinets, Medicine, Toilet, Bathroom or Lavatory	1
Cabinets, Stove or Range	1
Cabinets, Wall	1½T1
Camp Chairs	1
Carpets	1
Casings, Boiler	4
Chairs, Wooden	D1
Chairs, Revolving	D1
Chairs & Ladders, Combined	1½T1
Channels, Iron or Steel	4
Columns, Wooden	3
Columns, Iron or Steel	4
Concrete Block Machines	1
Conductor Pipe	1
Console Mirrors	1
Corn Shellers, Hand	2
Corn Shellers, Power	1
Couches, Wooden	D1
Couches, Bamboo, Cane, Fibre & Grass Rattan Reed or Willow	***3T1
Cream Separators, Centrifugal	2
Desks	2
Doors, Wood, Glazed	1
Doors, Wood, Not Glazed	3
Doors, Vault	2
Drain Boards and Sinks, Backs, Combinations	1
Drain Boards, Iron or Steel	3
Eave Troughs	1
Engines, Steam	1
Feed Boxes, iron or steel	1½
Fence Gates, iron or steel	3
Fence Post, iron or steel	4
Fittings, Bath Tub	2
Fittings, Lavatory	2
Fittings, Pipe	4
Flooring, Tile	2
Flues, Boiler	4
Forges, Portable	1
Furnace, Castings	3
Furnace, Heating	3
Gates, Wood, Iron or Wire	3
Gates, Wood and Iron Comb	1
Glass Comm. Window Boxed	3
Glass, Plate, not bent, 120 in. or under Exceeding 120 in. but not over 15 ft.	1 2
Hardware	2
Hay Presses	1
Hay Presses and Engines	1
Houses, Portable	1
Huskers, Corn, Power	1
Incubators	1
Iron Angles, Band, Structural	4
Jack Screws	1
Lath, Wooden	4
Lathing, Metal	4
Lavatories, Iron or Steel	2
Lavatories, Iron Basins or Bowls	2
Linoleum	2
Lumber LCL	4
Machinery	1
Mantels, Wooden	2
Nails, Iron or Steel	4
Paint in kits or pails	4
Paper, Building	3
Paper, Roofing	3
Piling, Wooden	4
Pipe Fittings	4
Pipe Iron	4
Plasterboard	3
Posts, Iron or Steel	4
Posts, Wooden	4
Pulleys	3
Radiators, Hot Water or Steam	3
Range, Boiler Stands	2
Range, Closet	1
Range, Gas and Gasoline	1
Ridge Roll Metal	2
Roofing, Iron	4
Range Boilers	3
Ranges and Stoves, Coal. Refrigerators	3 2
Roofing, Prepared	4
Rope, Wire	4
Rugs	1
Safes, Kitchen	1½
Safes, Iron	2
Sewing Machines	1
Shingles, Wooden	4
Sash, Glazed	2
Sash, Unglazed	3
Stoves (See Ranges).	
Wallboard	3
Wire, Barbed	4
Wire Gates	3
Water Closet Bowls, Iron	3
Wire Fencing	3

*1½T1 Means 1½ times 1st class.
**D1 Means Double 1st class.
***3T1 Means 3 time 1st class.

The Freight Rates Below Are for 100 Lbs. to Towns Covering Each State

	1st Class Per 100lbs.	2nd Class Per 100lbs.	3rd Class Per 100lbs.	4th Class Per 100lbs.
ALABAMA—				
Birmingham	$1.91	$1.61	$1.34	$1.08
Brewton	2.29	1.97	1.69	1.35
Mobile	2.05	1.74	1.43	1.24
Montgomery	2.19	1.91	1.64	1.28
ARIZONA—				
Phoenix	4.36	3.77	3.14	2.63
Tucson	4.36	3.77	3.14	2.63
ARKANSAS—				
Arkansas City	2.04	1.72	1.35	1.20
Fort Smith	2.04	1.72	1.35	1.20
Hot Springs	2.00	1.69	1.36	1.17
Little Rock	1.91	1.60	1.31	1.12
Texarkana	2.18	1.83	1.49	1.28
CALIFORNIA—				
Bakersfield	5.10	4.43	3.60	3.12
Los Angeles	5.10	4.43	3.60	3.12
San Francisco	5.10	4.43	3.60	3.12
COLORADO—				
Denver	2.74	2.21	1.68	1.30
Durango	4.70	2.56	3.15	2.36
Grand Junction	2.56	3.35	2.78	2.24
Julesburg	3.98	2.14	1.63	1.30
Leadville	3.98	3.35	2.76	2.11
CONNECTICUT—				
Hartford	1.49	1.31	.99	.70
DELAWARE—				
Dover	1.42	1.26	.96	.68
DISTRICT OF COLUMBIA—				
Washington	1.40	1.23	.92	.64
FLORIDA—				
Jacksonville	2.15	1.82	1.60	1.40
Miami	3.51	2.14	2.71	2.38
Pensacola	2.05	1.74	1.43	1.24
Tallahassee	2.88	2.43	2.14	1.72
Tampa	2.86	2.43	2.07	1.85
GEORGIA—				
Atlanta	2.32	1.99	1.69	1.37
Macon	2.32	1.99	1.69	1.37
Savannah	2.15	1.78	1.60	1.40
Waycross	2.71	2.32	2.05	1.70
IDAHO—				
Boise	4.22	3.62	3.05	2.49
Pocatello	3.98	3.35	2.78	2.24
ILLINOIS—				
Cairo	.89	.76	.60	.45
Joliet	.42	.25	.28	.21
Rock Island	.67	.57	.45	.34
Springfield	.71	.61	.48	.43
INDIANA—				
Evansville	.81	.69	.54	.41
Fort Wayne	.64	.54	.43	.33
Indianapolis	.71	.61	.48	.36
Richmond	.76	.64	.51	.38
South Bend	.53	.45	.39	.27
IOWA—				
Des Moines	.92	.73	.55	.42
Fort Dodge	.99	.79	.60	.45
Sioux City	1.22	.99	.70	.49
KANSAS—				
Dodge City	2.47	2.12	1.65	1.27
Great Bend	1.94	1.86	1.45	1.18
Topeka	1.52	1.25	.90	.66
Wichita	1.98	1.69	1.32	1.00

	1st Class Per 100lbs.	2nd Class Per 100lbs	3rd Class Per 100lbs.	4th Class Per 100lbs.
KENTUCKY—				
Frankfort	$1.12	$0.96	$0.79	$0.61
Hopkinsville	1.21	.98	.83	.70
Louisville	.84	.71	.57	.42
Morehead	1.53	1.28	1.00	.73
LOUISIANA—				
Lake Charles	2.38	2.01	1.63	1.41
New Orleans	2.04	1.74	1.43	1.24
Shreveport	2.32	1.96	1.61	1.37
MAINE—				
Bangor	1.49	1.31	.99	.70
MARYLAND—				
Baltimore	1.40	1.23	.92	.64
MASS.—				
Boston	1.49	1.31	.99	.70
MICHIGAN—				
Bessemer	.99	.84	.68	.43
Detroit	.79	.68	.53	.40
Grand Rapids	.75	.63	.51	.38
Traverse City	.98	.82	.66	.49
MINNESOTA—				
Aitkin	1.42	1.20	.96	.64
Crookston	1.79	1.50	1.20	.85
Duluth	.99	.84	.68	.43
Grand Rapids	1.51	1.25	1.00	.68
Minneapolis	.92	.77	.61	.39
Winona	.77	.64	.51	.36
MISSISSIPPI—				
Hattiesburg	1.95	1.64	1.41	1.17
Jackson	1.96	1.67	1.38	1.18
Natchez	1.66	1.35	2.14	.88
MISSOURI—				
Kansas City	1.22	.99	.70	.49
St. Louis	.79	.68	.53	.40
Springfield	1.24	1.10	.77	.57
MONTANA—				
Billings	3.76	3.14	2.54	2.05
Glasgow	3.39	2.88	2.33	1.78
Havre	3.76	3.22	2.61	2.05
Helena	3.98	3.40	2.78	2.24
Kalispell	4.13	3.53	2.90	2.36
Miles City	3.39	2.88	2.33	1.78
NEBRASKA—				
Lincoln	1.30	1.07	.75	.56
North Platte	2.38	1.98	1.51	1.20
Omaha	1.22	.99	.70	.49
NEVADA—				
Austin	5.37	4.75	4.12	3.50
Carson City	4.71	4.12	3.48	2.99
N. HAMPSHIRE—				
Concord	1.49	1.31	.99	.70
NEW JERSEY—				
Atlantic City	1.50	1.33	1.02	.74
Trenton	1.42	1.29	.95	.67
NEW MEXICO—				
Gallup	4.36	3.77	3.14	2.63
Santa Fe	3.31	2.83	2.28	1.91
Silver City	3.91	3.32	2.74	2.34
NEW YORK—				
Albany	1.36	1.20	.91	.64
Buffalo	.98	.84	.66	.50
New York	1.42	1.25	.95	.67
Syracuse	1.14	1.00	.76	.53
N. CAROLINA—				
Raleigh	1.96	1.70	1.34	.99
Wilmington	1.96	1.66	1.30	.99

	1st Class Per 100lbs.	2nd Class Per 100lbs.	3rd Class Per 100lbs.	4th Class Per 100lbs.
N. DAKOTA—				
Bismarck	$2.44	$2.06	$1.63	$1.18
Fargo	1.78	1.50	1.18	.82
Grand Forks	1.89	1.59	1.27	.90
Minot	2.67	2.27	1.86	1.34
Williston	3.04	2.53	2.07	1.52
OHIO—				
Cincinnati	.81	.69	.54	.41
Columbus	.84	.71	.57	.43
Toledo	.76	.65	.52	.39
OKLAHOMA—				
Oklahoma City	2.28	1.96	1.63	1.33
OREGON—				
Portland	5.11	4.43	3.68	3.12
PENNSYLVANIA				
Harrisburg	1.40	1.23	.92	.64
Philadelphia	1.41	1.24	.93	.65
Pittsburgh	.98	.84	.66	.50
RHODE ISLAND				
Providence	1.49	1.31	.99	.70
S. CAROLINA—				
Charleston	2.15	1.82	1.61	1.40
Greenville	2.30	2.11	1.80	1.42
Sumter	2.32	2.11	1.80	1.42
SOUTH DAKOTA				
Aberdeen	1.74	1.45	1.03	.77
Bellefourche	2.95	2.47	2.05	1.68
Sioux Falls	1.27	1.03	.72	.52
Watertown	1.46	1.25	.97	.70
TENNESSEE—				
Jackson	1.59	1.32	1.07	.88
Knoxville	1.88	1.60	1.35	1.07
Memphis	1.51	1.28	1.06	.90
Nashville	1.48	1.23	.99	.80
TEXAS—				
El Paso	3.35	2.83	2.32	1.98
Fort Worth	2.54	2.15	1.77	1.61
Houston	2.54	2.15	1.77	1.61
UTAH—				
Marysvale	4.68	4.03	3.43	2.86
Salt Lake City	3.98	3.35	2.78	2.24
VERMONT—				
Montpelier	1.49	1.31	.99	.70
VIRGINIA—				
Marion	1.61	1.41	1.33	.77
Richmond	1.40	1.23	.92	.84
Winchester	1.40	1.23	.92	.66
WASHINGTON—				
Seattle	5.11	4.43	3.68	3.12
Spokane	4.36	3.77	3.14	2.63
W. VIRGINIA—				
Charleston	.99	.84	.66	.50
Elkins	1.14	1.00	.76	.56
Wheeling	.99	.84	.66	.50
WISCONSIN—				
Ashland	.99	.84	.68	.43
La Crosse	.77	.64	.51	.36
Madison	.61	.52	.41	.31
Marinette	.66	.55	.45	.35
Milwaukee	.52	.45	.35	.27
WYOMING—				
Cheyenne	2.74	2.21	1.68	1.30
Green River	3.84	2.33	2.68	2.15
Lander	4.21	3.50	2.78	2.23
Sheridan	3.76	3.14	2.54	2.05

EXPRESS SHIPMENTS

The Express Rates Below in the tables below you will find the latest express rates per 100 lbs. on shipments from Chicago to well distributed cities in each state. You can use these cities to figure charges to your town. Look over the table and find the city nearest to you. If you wish to know the exact express charges on any article in this book to your station, write us, or ask your express agent.

How to Figure Express Charges Refer to the weight of the articles to be shipped given in the description in our catalog; then find the express rate per 100 lbs. to the nearest point to your town given in the express rates below; then note the rate per 100 lbs. in the scale of express charges, and follow the line of the weight of your goods to the column headed by the rate per 100 lbs. to your station. This will give you the correct express charges.

The Express Rates Below Are for 100 Pounds to Towns Covering Each State

From Chicago to	P. Post Zone	Per 100 Pounds
ALABAMA—		
Birmingham	4	$ 3.53
Brewton	5	4.16
Mobile	5	4.30
Montgomery	5	3.81
ARIZONA—		
Phoenix	7	11.29
Tucson	6	10.12
ARKANSAS—		
Arkansas City	4	3.67
Fort Smith	4	4.22
Hot Springs	4	4.22
Little Rock	4	3.88
Texarkana	5	4.57
CALIFORNIA—		
Bakersfield	7	12.54
Los Angeles	7	12.54
San Francisco	8	13.09
COLORADO—		
Denver	5	6.02
Durango	6	8.38
Grand Junction	6	11.98
Julesberg	5	5.33
Leadville	5	7.13
CONNECTICUT—		
Hartford	5	3.74
DELAWARE—		
Dover	5	3.39
DIST. OF COLUM.		
Washington	4	3.33
FLORIDA—		
Jacksonville	5	4.99
Miami	6	6.51
Pensacola	5	4.50
Tallahassee	5	4.64
Tampa	5	5.75
GEORGIA—		
Atlanta	4	3.81
Macon	5	4.16
GEORGIA—Cont.		
Savannah	5	$ 4.64
Waycross	5	4.57
IDAHO—		
Boise	7	10.87
Pocatello	6	9.70
ILLINOIS—		
Cairo	4	2.28
Joliet	1	1.03
Rock Island	2	1.59
Springfield	3	1.80
INDIANA—		
Evansville	3	1.73
Fort Wayne	2	1.39
Indianapolis	2	1.39
Richmond	3	1.73
South Bend	2	1.03
IOWA—		
Des Moines	3	2.70
Fort Dodge	4	2.91
Sioux City	4	3.60
KANSAS—		
Dodge City	5	4.91
Great Bend	5	4.36
Kansas City	4	3.11
Topeka	4	3.11
Wichita	4	4.36
KENTUCKY—		
Frankfort	3	2.14
Hopkinsville	4	2.42
Louisville	3	1.94
Morehead	4	2.42
LOUISIANA—		
Lake Charles	5	4.99
New Orleans	5	4.50
Shreveport	5	4.71
MAINE—		
Bangor	5	4.08
MARYLAND—		
Baltimore	4	3.11
MASSACHUS'TS—		
Boston	5	$ 3.67
MICHIGAN—		
Bessemer	4	3.11
Detroit	3	1.73
Grand Rapids	2	1.39
Traverse City	3	2.22
MINNESOTA—		
Atkin	4	3.88
Crookston	4	4.44
Duluth	4	3.53
Grand Rapids	4	4.02
Minneapolis	4	2.97
Winona	3	2.56
MISSISSIPPI—		
Hattiesburg	5	4.02
Jackson	5	3.88
Natchez	5	4.22
MISSOURI—		
Kansas City	4	3.11
St. Louis	3	2.14
Springfield	4	3.33
MONTANA—		
Billings	6	7.48
Glasgow	6	6.58
Havre	6	7.69
Helena	6	9.07
Kalispell	6	9.42
Miles City	5	6.51
NEBRASKA—		
Lincoln	4	3.60
North Platte	5	4.91
Omaha	4	3.33
NEVADA—		
Austin	7	11.50
Carson City	7	12.20
NEW HAMP.—		
Concord	5	3.74
NEW JERSEY—		
Atlantic City	5	3.53
Trenton	5	3.53
NEW MEXICO—		
Gallup	6	$ 8.87
Santa Fe	6	6.79
Silver City	6	9.21
NEW YORK—		
Albany	5	3.39
Buffalo	4	2.70
New York	5	3.53
Syracuse	4	2.97
N. CAROLINA—		
Raleigh	5	4.30
Wilmington	5	4.64
NO. DAKOTA—		
Bismarck	5	5.27
Fargo	4	4.22
Grand Forks	5	4.71
Minot	5	5.47
Williston	5	5.88
OHIO—		
Cincinnati	3	1.94
Columbus	3	2.28
Toledo	3	1.80
OKLAHOMA—		
Oklahoma City	5	4.99
OREGON—		
Portland	7	12.47
PENNA.—		
Harrisburg	4	3.19
Philadelphia	5	3.39
Pittsburgh	4	2.56
RHODE ISL'D—		
Providence	5	3.74
S. CAROLINA—		
Charleston	5	4.91
Greenville	4	4.30
Sumter	5	4.64
SO. DAKOTA—		
Aberdeen	4	4.57
S. DAKOTA—Cont.		
Bellefourche	5	$ 5.47
Sioux Falls	4	3.60
Watertown	4	4.02
TENNESSEE—		
Jackson	4	2.91
Knoxville	4	3.53
Memphis	4	3.11
Nashville	4	2.63
TEXAS—		
El Paso	6	8.45
Fort Worth	5	5.54
Houston	5	5.88
UTAH—		
Marysvale	6	10.32
Salt Lake City	6	9.35
VERMONT—		
Montpelier	5	3.67
VIRGINIA—		
Marion	4	3.60
Richmond	4	3.81
Rocky Mount	4	3.81
WASHINGTON—		
Seattle	7	12.12
Spokane	7	10.95
W. VIRGINIA—		
Charleston	4	2.77
Elkins	4	3.25
Wheeling	4	2.42
WISCONSIN—		
Ashland	4	3.33
La Crosse	3	2.08
Madison	2	1.80
Marinette	2	2.63
Milwaukee	2	1.45
WYOMING—		
Cheyenne	5	5.96
Green River	6	8.24
Lander	6	7.62
Sheridan	5	6.72

The Scale of Express Charges Below Is Based on the 100 Pound Rate

Rate per 100 lbs.	$1.03	$1.39	$1.45	$1.59	$1.73	$1.80	$1.94	$2.08	$2.14	$2.22	$2.28	$2.42	$2.56	$2.63	$2.70
CHARGES ON															
Package of 1 lb.	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.38	.38	.38
Package of 2 lbs.	.37	.37	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39	.39	.39
Package of 5 lbs.	.38	.40	.40	.40	.42	.42	.43	.43	.43	.44	.44	.44	.45	.45	.45
Package of 10 lbs.	.40	.44	.45	.47	.48	.48	.50	.52	.53	.53	.54	.55	.57	.57	.58
Package of 15 lbs.	.44	.50	.53	.53	.55	.57	.58	.60	.60	.62	.64	.66	.68	.69	.69
Package of 20 lbs.	.47	.55	.58	.59	.62	.64	.67	.69	.71	.72	.73	.76	.79	.81	.82
Package of 25 lbs.	.50	.60	.64	.66	.69	.71	.74	.78	.79	.82	.83	.86	.89	.92	.93
Package of 30 lbs.	.53	.66	.69	.72	.76	.78	.82	.86	.88	.89	.93	.97	1.01	1.02	1.06
Package of 35 lbs.	.57	.71	.76	.78	.83	.86	.89	.96	.97	1.00	1.02	1.07	1.12	1.15	1.16
Package of 40 lbs.	.59	.76	.82	.84	.89	.93	.98	1.03	1.07	1.10	1.12	1.17	1.23	1.26	1.29
Package of 45 lbs.	.62	.82	.87	.89	.97	1.00	1.07	1.12	1.15	1.20	1.22	1.27	1.35	1.37	1.40

Rate per 100 lbs.	$2.77	$2.91	$2.97	$3.11	$3.19	$3.25	$3.33	$3.39	$3.53	$3.60	$3.67	$3.74	$3.81	$3.88	$4.02	$4.08	$4.16	$4.22	$4.30	$4.36	$4.44	$4.50
CHARGES ON																						
Package of 1 lb.	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39	.39	.39	.39	.39
Package of 2 lbs.	.39	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42	.42	.42	.42	.42	.42	.42	.43	.43	.43	.43	.43
Package of 5 lbs.	.47	.47	.47	.48	.48	.48	.50	.50	.50	.52	.52	.52	.52	.53	.53	.54	.54	.54	.54	.54	.55	.55
Package of 10 lbs.	.58	.59	.60	.62	.62	.64	.64	.66	.67	.67	.68	.68	.69	.69	.71	.72	.72	.73	.73	.74	.74	.76
Package of 15 lbs.	.71	.72	.73	.76	.78	.78	.79	.81	.82	.83	.84	.86	.86	.87	.89	.90	.92	.93	.95	.95	.96	.97
Package of 20 lbs.	.83	.84	.87	.89	.92	.93	.95	.96	.98	1.00	1.01	1.02	1.03	1.06	1.08	1.10	1.11	1.12	1.13	1.15	1.16	1.17
Package of 25 lbs.	.96	.97	1.00	1.03	1.06	1.07	1.10	1.11	1.13	1.16	1.17	1.20	1.21	1.23	1.26	1.27	1.30	1.31	1.34	1.35	1.37	1.39
Package of 30 lbs.	1.07	1.10	1.13	1.17	1.20	1.22	1.23	1.26	1.30	1.31	1.35	1.36	1.39	1.40	1.44	1.47	1.49	1.51	1.52	1.55	1.56	1.59
Package of 35 lbs.	1.20	1.22	1.26	1.31	1.35	1.36	1.39	1.41	1.45	1.49	1.51	1.54	1.55	1.58	1.64	1.65	1.68	1.70	1.73	1.75	1.78	1.80
Package of 40 lbs.	1.31	1.35	1.40	1.45	1.49	1.51	1.54	1.56	1.63	1.65	1.68	1.70	1.74	1.76	1.81	1.84	1.86	1.90	1.93	1.95	1.98	2.00
Package of 45 lbs.	1.44	1.47	1.52	1.59	1.63	1.65	1.69	1.71	1.78	1.81	1.84	1.86	1.90	1.94	1.99	2.03	2.07	2.09	2.12	2.14	2.19	2.22

Rate per 100 lbs.	$4.57	$4.64	$4.71	$4.91	$4.99	$5.27	$5.33	$5.47	$5.54	$5.75	$5.88	$5.96	$6.02	$6.51	$6.58	$6.72	$6.79	$7.13	$7.48	$7.62	$7.69
CHARGES ON																					
Package of 1 lb.	.39	.39	.39	.39	.39	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42	.42	.42	.42
Package of 2 lbs.	.43	.43	.43	.44	.44	.44	.44	.44	.44	.45	.45	.45	.47	.47	.47	.47	.48	.48	.48	.48	.50
Package of 5 lbs.	.55	.55	.57	.57	.58	.59	.59	.59	.60	.60	.62	.62	.62	.66	.66	.67	.67	.68	.69	.71	.71
Package of 10 lbs.	.76	.78	.78	.81	.81	.83	.84	.86	.86	.88	.88	.89	.92	.96	.97	.98	.98	1.02	1.06	1.07	1.08
Package of 15 lbs.	.98	.98	1.00	1.02	1.03	1.08	1.10	1.11	1.12	1.15	1.16	1.20	1.20	1.27	1.27	1.30	1.31	1.36	1.41	1.44	1.44
Package of 20 lbs.	1.20	1.21	1.22	1.26	1.27	1.34	1.35	1.37	1.39	1.42	1.44	1.47	1.49	1.58	1.59	1.63	1.64	1.70	1.78	1.80	1.81
Package of 25 lbs.	1.40	1.41	1.44	1.49	1.51	1.58	1.59	1.63	1.65	1.69	1.71	1.75	1.76	1.89	1.90	1.94	1.95	2.04	2.13	2.17	2.18
Package of 30 lbs.	1.61	1.64	1.65	1.71	1.73	1.81	1.84	1.89	1.90	1.97	1.98	2.03	2.05	2.19	2.22	2.26	2.27	2.38	2.48	2.52	2.55
Package of 35 lbs.	1.83	1.84	1.86	1.94	1.97	2.07	2.09	2.13	2.17	2.23	2.26	2.32	2.33	2.51	2.52	2.58	2.61	2.72	2.84	2.90	2.91
Package of 40 lbs.	2.04	2.07	2.09	2.18	2.21	2.32	2.34	2.39	2.42	2.51	2.56	2.60	2.62	2.81	2.84	2.90	2.92	3.06	3.20	3.25	3.29
Package of 45 lbs.	2.24	2.27	2.32	2.39	2.44	2.56	2.60	2.65	2.68	2.77	2.84	2.87	2.90	3.11	3.15	3.21	3.24	3.39	3.57	3.62	3.64

Rate per 100 lbs.	$8.24	$8.38	$8.45	$8.87	$9.07	$9.21	$9.35	$9.42	$9.70	$10.12	$10.32	$10.87	$10.95	$11.29	$11.50	$11.98	$12.12	$12.20	$12.47	$13.09
CHARGES ON																				
Package of 1 lb.	.43	.43	.43	.43	.43	.43	.43	.44	.44	.44	.44	.45	.45	.45	.45	.45	.45	.47	.47	.47
Package of 2 lbs.	.50	.52	.52	.52	.53	.53	.53	.53	.53	.54	.54	.55	.55	.57	.57	.58	.58	.58	.58	.59
Package of 5 lbs.	.73	.74	.74	.78	.78	.79	.79	.81	.82	.83	.84	.87	.87	.88	.89	.93	.93	.95	.96	.98
Package of 10 lbs.	1.13	1.15	1.15	1.20	1.22	1.23	1.25	1.27	1.31	1.35	1.40	1.40	1.44	1.45	1.51	1.52	1.52	1.55	1.63	
Package of 15 lbs.	1.52	1.55	1.56	1.63	1.65	1.68	1.69	1.70	1.75	1.81	1.84	1.93	1.94	1.98	2.03	2.09	2.10	2.12	2.17	2.26
Package of 20 lbs.	1.93	1.95	1.97	2.05	2.09	2.12	2.14	2.17	2.22	2.31	2.34	2.46	2.47	2.53	2.58	2.67	2.70	2.72	2.77	2.90
Package of 25 lbs.	2.32	2.36	2.37	2.48	2.52	2.56	2.60	2.62	2.68	2.78	2.84	2.97	3.00	3.07	3.14	3.25	3.29	3.31	3.38	3.53
Package of 30 lbs.	2.72	2.76	2.77	2.90	2.96	3.01	3.05	3.06	3.15	3.28	3.34	3.50	3.52	3.63	3.69	3.84	3.88	3.89	3.98	4.17
Package of 35 lbs.	3.10	3.16	3.19	3.33	3.39	3.45	3.49	3.52	3.62	3.77	3.84	4.03	4.06	4.17	4.26	4.42	4.46	4.49	4.59	4.81
Package of 40 lbs.	3.50	3.57	3.59	3.75	3.84	3.89	3.94	3.98	4.08	4.26	4.33	4.56	4.59	4.73	4.81	5.00	5.05	5.09	5.19	5.44
Package of 45 lbs.	3.89	3.97	3.99	4.18	4.27	4.33	4.40	4.44	4.56	4.74	4.84	5.09	5.12	5.27	5.37	5.58	5.64	5.68	5.81	6.00

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Charges for Packages Shipped by Parcel Post

The Preceding Page Will Help You Locate Your Zone from Chicago

WEIGHT IN POUNDS	LOCAL	ZONES							
		First, up to 50 miles	Second, 50 to 150 miles	Third, 150 to 300 miles	Fourth, 300 to 600 miles	Fifth, 600 to 1,000 miles	Sixth, 1,000 to 1,400 miles	Seventh, 1,400 to 1,800 miles	Eighth, over 1,800 miles
1	$0.05	$0.05	$0.05	$0.06	$0.07	$0.08	$0.09	$0.11	$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

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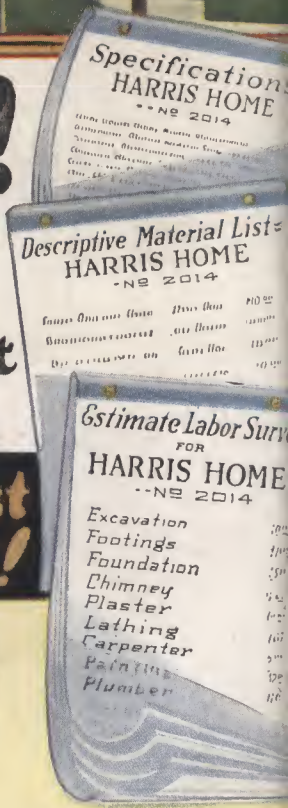

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